R. M. Anderson.

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Canadian Arctic Expedition Records.

Volume VIII.

May 22nd, 1916, to Sept. 1916.

Rudolph Martin Anderson.

The Geological Survey,
Ottawa, Ontario, Canada.

Cape Barrow, Coronation Gulf. 3[?]
North West Territory.
Canada.

1916.

May 22 (Mon.). Clear. Light N.E. wind. +36° at 7:30 a.m. Warm day, especially at midday. Dried out our water boots, clothing, etc. in sun. Everything was pretty well splashed yesterday. +42° at 7:00 p.m.

Fish – Kohoktok cut a hole through about five feet of ice near the rocks beside our camp, and soon hooked out five Rock Cod. Uvalina became very much excited when she saw the fish, so I gave her a Cod hook, which she rigged up with colored yarn and she and Annie caught four Rock Cod. They caught one very large Sculpin.

Seals – two or three seen basking on the ice between here and the Jamieson Islands. Ambrose went after one X but the ice was too flad for him to get near.

Cape Barrow, Coronation Gulf.

May 22. (Mon.). Snow Buntings – a few seen during the day at Cape Barrow. Also seen singing at midnight farther west.

On trail 7:20 p.m. with four sleds and following people: K. G. Chipman, J. R. Cox, J. J. O'Neill, D'Arcy Arden, and myself; Eskimos Adam, Ikey, Ambrose, Unalina and child; Kohoktok, Maingayo ~~[illegible]~~ Anna and child.

Photo. 592. 3A4. Camp at Cape Barrow 5:40 p.m.
593. 3A.5. Breaking camp at Cape Barrow, N.W.T. 5:00 p.m.

We had delayed starting until evening, waiting for weather to get cooler. Near Cape Barrow, and for two or three miles west, there was a little water on the ice than yesterday, but there was more water farther on. At times the snow slush and water was up to the sledge bottom, and often the sled would run into some depression a little

May 22. (Mon.) deeper, and the snow would pack up under the cross bars of the sled, and stall it completely so that we often had considerable difficulty in moving it. Most of the ice is fairly smooth now, with no snow and little water.

Saw two fresh Eskimo sled tracks (today's) going East, just west of entrance to Inman Harbour.

Glaucous Gull - saw four going East about 10:00 p.m.

Cox, O'Neill, and Chipman got miles ahead of us, and camped at our old woodpile east of the Utkusik-aluk (Wentzell) river. We reached there about 11:40 p.m., and our dogs cut across landing us in a big slush pool near shore, crusted over with snow, and we needed some help to get out.

Freezing a little on surface of ice after 10:00 p.m. Clear. Sunset, about 11:00 p.m.

Gray's Bay, Coronation Gulf, N.W.T.

May 23. (Tues.). Clear. Light wind. +42° at 12:00 m. +36° at 7:00 p.m.

Snow Bunting – male bird singing cheerily in forenoon.

On trail 7:20 p.m. Considerable water on ice. Some water in spots had run down through seal holes. Headed across Gray's Bay to SW corner of Hepburn Island.

South of Hepburn Island an Eskimo man came running out over the ice with a dog. Said he wanted to trade the dog for a pair of field-glasses. He also wanted cartridges. Kohoktok traded him about 20 cartridges (.44) for his waterboots (traded by pulling off boots and exchanging on the spot, the man taking K's old boots) and a sealskin. Several Eskimo tents seen near mouth of Kogluktuaryuk river.

May 23, (Tues.) Musk-ox — The Eskimo who came out from the camp at the mouth of Kŏglŭktŭaryŭk river had seen very recent tracks of musk-oxen on the snow a little back from their tents on the coast and some of the men had gone after them a day or two ago, but had not yet returned. Kohoktok says that he shot one musk-ox here two years ago. The people surrounded a herd on the hills, and almost every man killed from one to two with bows and arrows. He says that there are numbers of musk-oxen from here to Kogluktualuk, back from the coast in the granite hills. Musk-oxen are said not be found west of Kogluktualuk (Tree River) any more.

Seals — several seen on ice south of Hepburn Island (Gray's Bay), from 10:00 p.m. to 1:00 a.m.

Hepburn Island, Coronation Gulf.

May 23. (Tues.) Glaucous Gull - saw one going west.
Caribou - two seen crossing the ice from the mainland, going north, past the west end of Hepburn Island, about midnight (1:00 a.m.)

May 24. (Wed.) Clear a.m. Sunrise about 1:00 a.m. Calm. Freezing from 10:00 p.m. (23rd) to 3:00 a.m. Light west wind at 3:00 a.m. Clear all day. Light ~~south west~~ west wind in afternoon and all night. Sunset about 11:00 p.m.

Caribou - two seen near west end of Hepburn Island about 1:00 a.m., and Kohoktok went after them. His sled got in about noon with both Caribou on board: fairly large bulls, with rather large

May 24. (Wed.). Caribou. branched antlers; two prongs on each side.

Photo. 3A. #6. Caribou head, ♂; antlers
5-94.
in velvet, ca. 1 ft. long.
11 - 1/50 - B.S. 3:00 p.m.

Camped about 4:15 a.m. on a little island, near our old "cliff wood-pile", about four miles west of Hepburn Island.

Chipman got a time sight in the forenoon and a latitude at noon.

Warm all day. Water on the ice in vicinity went down somewhat.

Swan - Two Whistling Swans flew over about 9:00 p.m., rather low down, going east - the first Swans of the season.

Herring Gull - one seen flying east.

On trail again at 10:00 p.m.

Hepburn Island to Port Epworth, Coronation Gulf. N.W.T.

May 25. (Thurs.). On trail at 10:00 p.m. (24th) from point west of Hepburn Island. Opposite the big cairn cross at 12:00 midnight, and stopped for lunch. Very few tide cracks seen, all very narrow, but water was going down very rapidly in most places through seal holes. In some places the water running to seal-holes had melted out considerable ditches in the surface of the ice and there were some neat little whirlpools where the water was forcing itself down through seal holes.

Reached Port Epworth Island camp at 3:45 a.m. Ice rather dry for some distance east of here, but deep slush and water about fifty yards wide along south side of island, but we hauled through it and camped at cache. Ground practically bare.

May 25- (Thurs.) of snow. It has melted wonderfully here since the 9th of May, at which time the drifts were pretty deep here.

Seal- Several Seals seen on ice, and one young Seal found dead on ice. Kohoktok fell behind and came in about 6:00 a.m. He had killed a young Seal on the way.

Snow Buntings - seen on island.

Eskimos - five tents pitched among the rocks on south-western end of the island.

Attigeriak man ca. 50, wife Atoriina and little girl Nupfa.

Tagluk and wife Ikkca'luag. Amauyok or Kutoktok.

Kalluun (man) and wife Poktuok, and two children.

Kamoayuk (man) & wife Kuingiktat.

Illarok (man) & wife Utuayuk. boy Annaraks. Kiahok.

May 25. (Thurs.). Attigeriak said that our friend Kannugok with Isungok (a man who was on the Annietik in summer of 1915) and another man named ________ went inland up the Koglukteuluk (Tree River) some days ago, to go to the spruce timber a long way inland presumably to trade with the Indians and did not expect to return until next fall.

The umiak skin-cover was all right when we took it out of the cache, and we spread it out in the snow water to soften it so we could stretch it on the canoe frame. Put it to soak about 6:00 a.m.

Red-backed Mouse. Found a slab of bacon in the big rock slab cache gnawed by mice and set two or three "auto-baited" traps. Caught two Red-backed Mice.

Port Epworth Island,
Coronation Gulf. N.W.T.

May 25. (Thurs.) Red-backed Mouse. (Evotomys sp.)
660. ♀ 135 - 30 - 19 mm.
661. ♂ 136 - 33 - 20.

Lemming Vole. (Synaptomys)
In the evening, a brown Lemming Vole ran out from the island on the ice of the bay. Adam chased it for almost half a mile, dodging and doubling back and forth until he caught it alive. Photograph unsuccessful.
663. ♀ 113 - 18 - 18 mm. Synaptomys.

Caribou - one seen at east side of harbor about 5:00 p.m. He came up near west end of island and Kohoktok shot him; a fairly large bull with branched antlers.

+40° at 7:00 a.m.
+53° at 6:00 p.m.
+40° at 10:00 p.m.

Port Epworth island,
Coronation Gulf, N.W.T.

May 26. (Friday). Clear a.m. Warm. Cloudy at intervals in afternoon. Wind N.W. in evening.

Graflex photos.

#1/2. Lemming Vole (caught last night) 3/4-4. f11. B.S. 1:30 p.m.

637. #1 Alorinna and daughter Nuppa. 3/4-3. f11. Overcast. 2:00 p.m.

638. 2. Poktok, wife of Kallun (Kilusiktogmiut) 3/4-2. f11. Overcast 2:00 p.m.

639. 3. Oshokak (woman) and baby; wife of Anauyak (Kilusiktogmiut). baby is named Uvilok.

640. 4. Anauyak (Kilusiktogmiut) with his wife Oshokak, little boy Tūpīlak, and baby Uvilok

641. 5. Itkiahnuag, wife of Tagluk (full length) 3/4-2. f11. Cl. 2:45 p.m.

642. 6. Do. head, front. (daughter of Attigeriak)

643. 7 " " side (profile).

644. 8 Attigeriak, man. front. 3/4-4. f11. Cloudy 3:30 p.m.

Port Epworth island,
Coronation Gulf, N.W.T.

May 26. (Friday)

645. 9. Attigeriak ♂. Side. do
646. 10. Kringnaktok (Kilusiktogmuit) wife of Kamoayuk; strong.
647. 11. do.
648. 12. Mupfa, little girl, daughter of Attigeriak and Atorinna.

Vest Pocket Kodak.

595. 3. Eskimo camp, among rocks
596 4. do.
597. 5. Eskimo tent and little boy.
598. 6. " " " " girl
599. 7. Attigeriak, Atorinna et al.
600. 8. Two Eskimo women, strong.

The Eskimos made five dog-packs for Chipman, some of sealskin and some of canvas. Paid them sheet-iron pot, powder and primers.

Bought pr. long sealskin boots for knife (for Ambrose).

Bot pr. long boots for .44 cartr (Key).

Bot 1 coil ugyuk line (heavy) for

May 26. (Friday)

ten .44 cartridges; and one coil light Ugyuk line for five .44 cartridges; Arden says they need sixteen feet of line for each dog pack-saddle.

Caribou - one seen on the ice of bay in the evening.

Hoyt's Horned Lark. Ambrose killed one with a stone.

#664 ♂ Otocoris alpestris hoyti.

Red-backed Mouse - Caught one more in trap in stone cache

#662 ♂ Evotomys sp. 138-35-19.

Geese (Hutchins(?)) five flew East today.

Wind N.W. in evening.

May 27. (Sat.) Cloudy all day. Misty rain in evening. Light N.W. wind. Snowing slightly from 10:00 p.m. to 12:00 p.m.

Paid off the Eskimos who have been helping us here, with various small articles which we could spare.

Kohoktok is coming back here, so gave him, on account, the surplus grub which we are leaving at cache here; as follows:

Ca. 30 lbs. flour
8 " oatmeal.
15 " peas
10 " dog biscuit.
1 Peterboro canoe (much patched) and three paddles.

Cached at island (too heavy to haul).
2½ cases ~~distillate~~ gasoline, 25 gals.
5 gal. can cylinder oil.

May 27. (Sat.) On trail 10:30 p.m. hauling the umiak lashed on top of Kohoktok's sled. Left the Eskimo camp at west end of island 11:00 p.m.

Wind N.W and snow flying. Little water on the ice and ice somewhat prismatic and sharp.

Akinirk – some little islands off to the N.W of Tree River, East of Okevillik.

Ambrose, Unalina, Annie and Adam started straight across for Krusenstern at the same time we ~~started~~, taking the heavy specimens home on the heavy sled, with seven dogs, leaving us 18 dogs for other sleds.

South side of Coronation Gulf. N.W.T.

May 28 (Sun.) Reached point near high diabase cliffs (running to SW, overlying sandstones), at 1:30 a.m., about ten miles west from Tree River.

Cloudy. Wind moderated a little after midnight, hauling a little more to the north.

Reached a broad open crack extending nearly straight out from shore to west end of Akevillak Islands — too wide to get sleds across. Chipman followed it towards land and Cox off shore: the latter soon found a narrower place, about four feet across, and we went out about ¼ mile farther and crossed the crack safely, taking one sled across at a time, lengthening the tow-line temporarily behind the wheel-dogs.

May 28 (Sun.). Black-bellied Plover - saw a pair flying north from the bay west of Tree River (##).

King Eider - saw one male King Eider (the first of the season) circling around bay.

Reached island near the high diabase point called Hadliok at about 5:30 a.m. and camped on the outer side of island. Found a little wood on the rocks.

+ 31° at 6:00 p.m.

Seals - numbers seen on the ice. Ikey shot one from top of cliff on south side of island. In the afternoon Kohoktok shot two seals - one large one and one small one.

Kitagŭ'nak - name given to land on both sides of Tree River west to point (diabase ridge) about ten miles west of Tree River.

May 28. (Sun.) Okruhī'vik — a long island, diabase overlying gray shale(?), about 3 miles long, ca. 1 mile from coast, nearer to coast at west end (Channel narrow. Gull rookery on S. side of island.

Herring Gulls — saw several around old rookery on south side of Okruhevik island, about 20 miles (?) west of Tree River.

I-hū'it Ka'lūt — low land and diabase cliff, east of the Big Kogaryuak River. A large creek comes down here; grassy hills sloping back from coast

Caribou — Kohoktak says that there are plenty of Caribou here in spring (Ihuitkalut)

Kohoktak says that Tree River runs from SW, heads in a big lake, from which lake there is a short portage to a long lake, from

May 28. (Sun.) which flows the Coppermine River. He says that the Coppermine River makes a big bend from the East above the Kendall River (the outlet of Tahierpik (Dismal Lake).

May 29. (Mon.) Cloudy all day. Light sprinkling rain began at 5:00 a.m. and continued during the day; occasionally a few snowflakes falling. +35° at 6:00 a.m.

On trail 12:00 midnight. Reached long point at west end of Okruhivik island about 2:30 a.m. Passed Big Kogaryuak River about 3:30 a.m. Mr. D'Arcy Arden says he went up it four or five miles on the way east; it soon

May 29. (Mon.). narrows; course very zigzag, apparently a rather short river. A short distance up the river he saw willows as thick as a man's wrist. There is another Kogaryuak river about 35 miles west of this one (the one where Capt. Joseph F. Bernard wintered with schooner "Teddy Bear" in 1910-1911. The natives say the names are identical.

The snow is mostly gone from the land here now. There is not much water on the ice, it has gone down through the cracks and seal-holes. Crossed one broad crack west of the Kogaryuak river. Some water on ice along shore, and several small cracks. The coast is rather low for seven or eight miles west of the Big Kogaryuak. Plenty of driftwood in spots, but many long stretches are woodless.

South side of Coronation Gulf. N.W.T.

May 29. (Mon.) Camped at 5:50 a.m. on a little island about 300 yards off shore. A low stony island, sandy on top; little driftwood on island but some on mainland. Had to stop early on account of Kohoktatt breaking a sled runner. Quite a bit of water (several inches) on ice all around island.

Long island, 3-4 miles north of Camp is Aklak'to (K-g. Chipman). Slept from 9:00 a.m to 4:30 p.m. Alternating misty rain and snow all morning, clearing a little towards midnight.

Arctic Hare - Saw two at one time (white pelage) on small bluff (grassy) west of Kogaryuak. Chipman saw five on coast.

King Eider - saw one male

May 30. (Tues.). Cloudy at midnight. Wind fairly strong NE. +29° at 12:30 a.m. Wind hauled to NW about 4:00 a.m.; Snow falling pretty thickly until 7:00 a.m. +27° at 11:00 p.m. Cloudy. Light N.W. wind.

On trail 1:00 a.m. Reached a well-marked point (diabase bluff) at 3:30 a.m.

Lemming (Dicrostonyx sp.). O'Neill caught a Lemming (full summer pelage; grayish with black median dorsal stripe running on the ice near point. It tried to swim a narrow strip of water and slush on top of the ice and O'Neill grabbed it. 665. ♀ 122-13-19 mm

Camped at 6:30 a.m. on south side of the Eskimo Cache Island, off the mouth of Little Kogaryuak river (Joe Bernard's), about 18 miles east of mouth of Coppermine River.

May 30. (Tues.). Found several good pieces of wood on beach about four miles east of Kogaryuak river, and we carried some along to camp. We did not really need it as there was plenty of willow driftwood on the island.

Rough-legged Hawk – A pair were screaming around the cliffs where Capt. Bernard and I got eggs in June, 1911. Ikey shot the ♂ Hawk.

666. ♂ Archibuteo lagopus sancti-johannis.

The stomach contained skull, bones, feet, and hair of a Lemming (Dicrostonyx sp.) Ikey succeeded in getting down to the nest by crawling along two or three descending shelves, and got the one fresh egg which the nest contained. Nest composed of sticks. Nest about 60 ft. up the side of cliff, and inaccessible from bottom.

May 31. (Wed.). Cloudy. Light NE wind. In the evening sunshine clear. Calm. Midnight sun just above the horizon tonight.

On trail 10 minutes before midnight (11:50 p.m. May 30th). Passed behind (south) of the string of small islands west of the Kogaryuak river. Some water along the shore. A thin crust of young ice everywhere on top of the old ice, sometimes with water under it, and often merely settled down on top of old ice; rather hard on dog's feet. Passed a conspicuous point west of Kogaryuak about 1:30 a.m. Stopped for lunch about 2:30 a.m. off mouth of Niparktoktuak River; water along shore for about a mile and out half a mile from mouth of river. River seems to come out between high steep clay banks.

May 31. (Wed.) The Niparktoktuak is a short river and is said to have a few small spruce on it a few miles from the coast. This is said to be the only river east of the Coppermine River which has spruce trees on it, with the exception of the west branch of the Tree River near the Coppermine where it heads.

Old-squaw - Saw three Old-squaws flying over near the mouth of the Niparktoktuok river, (the first of the season).

Reached island off mouth of Coppermine about 5:00 a.m., and saw about fifteen tents (some white cloth and some deerskin) on west side of diabase bluffs on west side of river. The water from the river extends some way outside of the mouth of the river, and we had to go quite a way around the

May 31. (Wed.) water to get to the camp.

~~Found~~ Constable J.E.F. Wright, R.N.W.M.P., and Ilavinirk (interpreter for the Police) camped here. Inspector La Nauze, R.N.W.M.P., who came down to the coast with Wright, has gone back to Bernard Harbor again with one man, named Uluksoag as prisoner, having cleared up the case of the two priests, Rouvièr and La Roux. The two priests were killed near Bloody Fall by two Eskimos, named Sinnisiak and Uluksoag (natives of Victoria Island). Sinnisiak was captured in a village north of Bernard Harbour, S. side of Victoria Island, and confessed. Then Insp. La Nauze came down here and took the other man Uluksoag at village near here, and taken him to Bernard Harbour. Constable Wright and Ilavinirk

Mouth of Coppermine River,
Coronation Gulf. N.W.T.

May 31. (Wed.).

are going to pack back to Great Bear Lake, and bring their outfit back to Fort Norman, after going to the place the priests were killed to look for their bones. They seem to have been killed on the west side of the river, about at the first trees, in the fall of 1913. All the Eskimos seem to know about it, and seem willing to talk about it. Constable Wight naturally did not give many details, but his interpreter, who had been with me from 1908-1912, supplied plenty of detail. Ilavinirk considers himself quite a hero among the police now, on account of his work on the case, and in talking to me referred quite condescendingly to "these natives". He is spending quite a bit of time conducting evangelistic services for the heathen here now

May 31. (Wed.). Our former employee, the other Uluksoag, is here with his three wives, and has succeeded in exonerating himself from suspicion, i.e. has proved that he came by his stock of white men's goods fairly legitimately. He had been with the priests on Immaernuik (where they had their house near head of Dease River) and was friendly with them (in summer of 1911 or 1912). After the two priests had been killed by the two other men, the fact soon became known that they were dead, and the next spring, Uluksoag and some others left the coast much earlier than usual and made straight for the priests house and cache at Immaernuik. He said that he thought that since the priests were dead he thought it would be all right to take the stuff they had cached.

Mouth of Coppermine River,
Coronation Gulf. N.W.T.

May 31. (Wed.). Ilavinirk said that when the two Eskimos, Sinnisiak and Uluksuk have killed the two priests, they chopped them up with an axe, and each man ate a small piece of the liver of one of the priests: I asked him why they ate this, and he said that was the custom whenever they killed a white man, they must eat a part of him (some doctor's angakok tradition or order).

Slept until about 6:00 p.m. after pitching our two tents at the south end of row, about 1/4 mile from native tents, and about 1/2 mile from the police camp at the other end of row. There is too much water for us to go farther up now.

Glaucous Gulls - several flying around near mouth of Coppermine river.

Geese - people here say they have seen none yet.

May 31. (Wed.) Golden Eagle - Ikey went up on hills, but saw no birds except two Eagles (he said not Rough-legged Hawks) which had a nest on the Cliffs above the mouth of the River.

After we got up, the Eskimos nearly crowded us out, all in a very friendly manner. They seem to have no resentment on account of the two Eskimos being made prisoners by white men. Constable Wight says that there are about 100 people here, many of whom are going to Great Bear Lake to trade.

The Coppermine River people in general look with disfavor on killing white men. When Siniksiak and Uluksoag (Victoria islanders) came back to the coast with the priests' guns, the people at mouth of Coppermine immediately confiscated the guns, saying that they would not allow the Victoria Islanders to come down into their country

May 31. (Wed.). and kill white men and get away with the plunder. The other natives said that one man named Komik wanted to kill the priests and take their guns, but the other people at the village dissuaded them. Komik is here now, and without being prejudiced before, have considered him about the most villainous-looking and shiftiest-eyed Eskimo I ever saw.

June 1. (Thurs.) Clear at midnight. Freezing. Cloudy after 1:00 a.m.

Went up across hills to Eastward to bluffs overlooking the Coppermine River. Considerable water is coming out of the river; some small floating ice, and water sweeping the edge of steep diabase cliff on west side of river.

Tree Sparrow - saw one in patches of small willows and black birch on west bank of river.

Eskimo Grave - on top of cliff overlooking the river, I found a stone heap with a few pieces of old weathered wood sticking among them, and a few human bones underneath - part of an occiput, and end of tibia, etc. I did not examine it so as to disturb it much, as there are so many Eskimos around everywhere.

Mouth of Coppermine River,
Coronation Gulf, N.W.T.

June 1. (Thurs.) Kaiariok an old inhabitant of the Rae River region, pointed out to me two rivers coming out west of here, in Back's Inlet. The larger, most northerly is Pattirk (Rae River) and the other one has two names, Nia Kongak or Kugnahirk. The name Niakongak (the Richardson River) seems to be better known than the name Kugnahirk. Its mouth is not far from the Rae river, and Mr. Chipman says it seems to be a fairly large river. The stream which flows into Richardson Bay (south of Mackenzie Point) four or five miles west of the Coppermine, is a very small stream, and not the Richardson River, as I thought at one time (1911).

Caribou – Kaiariok says that Caribou often swim across the river at Niakongak or Kugnahirk in the summer time,

June 1. (Thurs.) crossing at a narrow point, where they are sometimes speared from kayaks.

Colder in afternoon. Cloudy.

Uluksoaq's wife (whose husband had been taken prisoner to Bernard Harbour), came over to our camp. She was crying because her husband had been taken away and wanted to know whether there is any probability of his coming back. I told her that probably the Police would bring him back sometime after they had investigated the killing of the white men. She seemed to be feeling very badly about it, but said she was going to Great Bear Lake this summer, and had already taken for a temporary husband a man who had no wife! She said she intended to live with this man until Uluksoaq came back, and then take Uluksoaq again.

Mouth of Coppermine River,
Coronation Gulf. N.W.T.

June 1. (Thurs.)

649. #1. Eskimo Camp, at mouth of Coppermine river. Richardson Bay $\frac{3}{4}$-2 f11. Cloudy 2:45 p.m.

650. #2. Richardson Bay, Coronation Gulf. Looking west from bluffs at west side of mouth of Coppermine River.

651. #3 Eskimo women, Kaniak and Itōkaúna, and two children digging "māhū" roots, near mouth of Coppermine River. $\frac{3}{4}$-2-f11. Cloudy. 3:00 p.m.

652. #4. Eskimo Camp at mouth of Coppermine River, from South. $\frac{3}{4}$-2-f11. Cloudy. 3:45 p.m.

Vest Pocket Kodak.

571. #1. Little girl Tūpik, daughter of Kōngiūna ♀. 8-$\frac{1}{25}$-Cl.

572. #2. Little boy, Aieī'lik, son of Kongiūna ♀.

573. #3 Teliguak, old man.

574. #4. Kōyakshak, young man from E. Kogaryuak river; has brown beard and moustache and blue eyes with brown spots in them.

June 1. (Thurs.).

575. *5. Kilikavinyok, daughter of Utūkiak (woman).

576. *6. Komerik, the long-haired villain.

577. *7. Arnauyak? and little boy Ivarluk (wife and baby son of Kaiariok). do.

578. Haviūyok, man, Haneragmiut from southern Victoria Island.

Stopped to talk for a while with Kōlrunna, from the Eastern Kogaryuak country. His wife is Kiūīna, an old woman with dark bluish gray brown eyes. She saw Hanbury when he came through several years ago.

Went over to the Police camp to see Ilavinirk again. Komerik and wife followed me over, and wanted to give me their boy, about nine years old. I asked them if they didn't want a boy, but man said that

June 1. (Thurs.) his wife had another one coming pretty soon. They tried very hard to give me this boy last fall, but the boy seemed rather shy and unwilling to go. He seemed willing enough now. The boy looked pretty unkempt and poorly clothed whenever I saw him. Usually these people are well-dressed in winter, at least.

Corporal Wight and Ilavinirk are getting ready to pack up the river tonight to look for the priests' remains. Uluksoag and others are going along to show the place to them. Saw Uluksoag today as I passed by his tents. His three wives were packing up their numerous belongings outdoors near one tent. In a small white wall tent, Uluksoag sat alone with a camp stove frying bannocks in grease. He had made several decorated bannocks, fried some bacon and boiled

June 1. (Thurs.)

tea, all white men's grub, and he was dressed in full white men's suit, cap, shirt and dirty overalls. He invited me to have something to eat with him, but his menu did not look so inviting as the others around — all had plenty Caribou meat, raw and dried.

K.G. Chipman and D'Arcy Arden spent the day packing up preparatory to starting for Dismal Lake. They hope to make good time at the start and get away from the Eskimo caravan.

Photo Vest Pocket Kodak:

579. #1. Dogs packing. Eskimo boy and Ikomerk. 6 - 1/25 - Cloudy 6 p.m.

580. #2. Dogs Packing.

581. #3. Constable J. E. F. Wight, R.N.W.M.P.

582. #4. Constable Wight et al. packing. 6 - 1/25 - Cloudy. 6:00 p.m.

Mouth of Coppermine River,
Coronation Gulf. N.W.T.

June 1. (Thurs.) Photo 3A - 565 - K. G. Chipman and D'Arcy Arden ready to start for Great Bear Lake.
6 - 1/25 - Cloudy. 7:00 p.m.

566. 2. D'Arcy Arden et al. packing dogs.

567. 3. Chipman and Arden packing
6 - 1/25 - Cloudy. 7:00 p.m.

Colder in afternoon. Snowing in evening, enough to whiten the ground. Most of the Eskimos started off with Constable Wight and Ilavinnik about 6:00 p.m., a very large scattering band, everybody with enormous bundles athwart their shoulders, and dogs following, most of them with packsaddles. The light was very poor for photographing. One young couple started with Chipman and Arden. They say they have to follow the Coppermine River pretty closely up to Bloody Fall and a little

June 1. (Thurs.) farther, as there is little fuel farther west.

Dog-packing.

Mr. Arden ~~puts~~ lashes on a dog's pack-saddle with 16 feet of small rope or ugyuk line. First passes one end of line through a loop in other end, then puts bight around middle of both sides of pack (above the bulge), so that one end of bight passes underneath behind dog's fore legs and the other end in front of dog's hind legs; draw tight, then pass free end up across middle of back, making a turn around line on opposite side, then down around middle of body to make fast on first side.

Mouth of Coppermine River,
Coronation Gulf, N.W.T.

June 1. (Thurs.) Only three or four tents were left here after the Great Bear Lake pilgrimage had started; Hitkoa and Agak and three or four old couples are going to spend the summer fishing at Bloody Fall. Kaiariok is going to hunt somewhere south of Rae River and Richardson River.

Started for the north (to Bernard Harbour), at 11:30 p.m., Cox, O'Neill and myself with Kohoktok's family. Pulled through pretty deep slush to get out from the land. Cold night, and considerable snow on the crusty icy surface.

June 2 (Fri.). Cloudy. Light SW wind. Stopped for lunch at 1:00 a.m. opposite small islands running NE from Mackenzie Point. Beyond that point, we travelled most of the time over a thin crust of ice over about eight (8) inches of fresh water on top of sea-ice. The snow had melted to a large extent except a few large soft drifts. We broke through the surface crust of ice frequently, and had to crush our way through many yards before the sleds could get up on top to firm footing again. Ice underneath very slippery footing whenever we broke through.

Headed for gravel beach between Cape Kendall and the high diabase "island"-like formation south of Cape Kendall

Cape Kendall, west side of Coronation Gulf, N.W.T.

June 2. (Fri.)

Arctic Hare — Saw five Arctic Hares in a bunch on gravel beach at foot of diabase cliffs south of Cape Kendall, and O'Neill and I went after them shooting three:

One female, white fur on body; head brown; six unborn young. (badly torn).

One white furred; (badly mangled).

One about half white and half brown: Dark grayish brown patches on back and rump, face, cheeks, and sides of neck. Tips of ears brownish; lower inner $\frac{1}{3}$ of ears black. 667. ♂ L. 635 – T. 50 – H.F. 151.

Red Fox — Mr. J.R. Cox saw a Red or Cross Fox running up to the top of diabase cliff where we saw the hares.

No wood here and we used primus stove. Quite a bit of heather at foot of cliffs

June 2. (Fri.). + 28° at 6:00 a.m. Cloudy dull.
+ 27° at 6:00 p.m. Cloudy bright.
Kohoktok says Cape Kendall is called Im nar'ū at, and the high, black isolated diabase cliff like an island about 3 miles south of it is called Im nalūg'yūak.
Turned in at about 7:00 a.m. and slept until nearly 6:00 p.m., being pretty tired and sleepy after all the excitement of the big village.

June 3 (Sat.). Cloudy at 1:00 a.m. Fairly strong NW wind. + 25° at 1:00 a.m.
One of our dogs Ūtūa'yūk, which I bought at Bernard Harbour in April, ran away, and probably returned to his old master Nachum who is at the camp at Coppermine river.
Rocks here are diabase, with sandy limestones underneath, breaking into thin slabs.
Glaucous Gulls – three pairs on rocks at old rookery at Cape Kendall.

Cape Kendall to Cape Hearne, Coronation Gulf. N.W.T.

June 3. (Sat.). Rough-legged Hawks – one pair screaming around cliffs near camp south of Cape Kendall, and another pair about half a mile farther on.

On trail from Cape Kendall at 1:30 a.m. Headed straight for Cape Hearne but had to swing west a little to get better trail. Some soft snow-drifts, but on the whole the ice was fairly smooth, with crust strong enough to bear up, and we only broke through occasionally. Reached end of Cape Hearne sandspit at 8:00 a.m. and camped. Ice has been much flooded for about two miles south of Cape Hearne and we frequently broke through the crust into several inches of water and mud over the old ice. The creek Kŭgaryûk

June 3. (Sat.) which comes into the bay near to and south of Cape Hearne evidently carries considerable water in spring. The hills to the west are mostly bare of snow. They seem to be grassed over pretty well.

Seals – No seals seen on ice today until we came near Cape Hearne, when we saw two or three. One was seen later from camp.

Bearded Seal – saw one on ice in Basil Hall bay.

No wood on the long sandspit here; fine sand. No stones large enough to tie guy ropes too, so we had to bury paddles in sand.

Eider Ducks (King Eider?). Two flocks flew over, going East. O'Neill saw a flock of ducks in pond back of Cape Hearne.

Sky clearing a little after 8:00 a.m. Cloudy in evening. Strong NW wind +28° at 10:00 pm

Cape Hearne, west side of
Coronation Gulf. N.W.T.

June 3. (Sat.)

O'Neill went back to the cliffs which are about three miles back, over gently sloping land; 205 ft. high. Weathered dolomite; he saw one layer of marble about 8 inches thick. He took three pictures with my V.P. Kodak:

* 5. } to show V-shaped troughs
6. } weathered in dolomite,
7. } cliffs west of Cape Hearne,
8. } N.W.T. Ca. 10:00 p.m.

Basil Hall Bay = Ītok sïōr'vik, so-called because it had small fish called Ītŏk (because it has big eyes. Ikey says he saw some of them caught at Kunnuyuk Island.

Cape Hearne cliffs called Imirk. (imirk = water) Why called so? Kohoktok says "navina?"

June 4. (Sun.) On trail 1:15 a.m. Stopped for lunch 3:45 a.m. near Ulūgvik. Running over smooth glare ice most of the day. Very little water under the surface ice, and we seldom broke through.

Ulūg'vik — point west of Point Lockyer, on north west side of Coronation Gulf. "Ulugvik" means "to make soft by rubbing."

Krikĕragnak = the high cliff ridge about five miles back of Point Lockyer, bearing the stone hut.

Tikérak = Point Lockyer ("a fore-finger")

Innŭern'yuit = Islands south of Point Lockyer ("People lived there formerly.")

Camped at tip of Point Lockyer about 6:00 a.m. Found a little wood.

Seals — several seen on ice in the morning.

Bearded Seal — one seen on the ice.

Point Lockyer, north west part of Coronation Gulf. N.W.T.

June 4. (Sun.)

Eider Ducks - (King Eiders?). Saw a flock of about twelve flying East, on the south side of Point Lockyer.

Old-squaw - saw a pair, male and female, fly from small pond at Point Lockyer.

Baird's Sandpiper - Saw about six small Snipe (Baird's Sandpiper or Sanderling) fly over Point Lockyer going north, the first Tringae of the season.

Very old remains of sled braces and Eskimo-worked wood near pile of stones, and a few fragments of bones, on grass flat near boulder tip of Point Lockyer. Found a curved knife, very old; Caribou antler handle with thin iron (tin) blade; fastened on with three copper rivets.

Slept from 11:00 a.m. to 6:00 p.m. Snowing and raining at intervals all day. Strong N.W. wind. +34° at 6 p.m.

Point Lockyer, northwest part
of Coronation Gulf, N.W.T.

June 4. (Sun.) Not very much word around the SE tip (boulder point) of Point Lockyer, but more was found in little bunches (mostly little nests of small bits) on bare gravel (broken dolomite) beach terraces and parallel depressions about 600-800 yards around on the north side of point.

On trail at 10:40 p.m. from Point Lockyer headed straight for Cape Krusenstern.

Cape Krusenstern, northwest corner of Coronation Gulf, N.W.T.

June 5. (Mon.) Cloudy all night. Cold raw NW. wind until about 1:30 a.m.; when it shifted to NE. and a few snow-flakes kept falling at intervals.

Headed straight from Point Lockyer to Cape Krusenstern; and reached Cape Krusenstern about 1:50 a.m.

568. 3A-4. Cape Krusenstern, low dolomite cliffs, nearly drifted over with snow. 8-1/10-Cloudy. 1:50 a.m.

569. 5. do.

570. 6. Sir John Richardson's rock cairn on barren terraced beach a little N. west of Cape Krusenstern 8-1/10-Cloudy 2:00 a.m.

697. 1. Umiak on Kohoktak's Eskimo Ho. 2 miles west of Cape Lambert, 8-1/50-Cloudy. 5:00 a.m.

698. 2. do. 8-1/25-Cl. 5:00 a.m.

694. 3. "

Long-billed Dowitcher(?). three large red-breasted Snipe flew over Cape Krusenstern point about 2:00 a.m. (Dowitcher?).

June 5. (Sun.) Baird's Sandpiper - Three small snipe (Baird's Sandpiper or Sanderling, flew over Cape Krusenstern. Kohoktok called them "Hakhagīak.".

King Eider - saw a pair flying over Cape Krusenstern.

About halfway between Cape Krusenstern (west point) and Cape Lambert island, there was a strip of black open water about a mile long, about $\frac{1}{2}$ mile from shore.

King Eiders } Saw hundreds of
Pacific Eiders } Eiders and

apparently a few Geese or Brant, in the long open lead of water and forming an almost continuous black fringe on the ice along the edge of the lead.

Seals - several seen on the ice, both Common and Bearded Seals, east of Cape Krusenstern from 11:00 p.m. to 1:00 a.m., and quite a number East of Cape Lambert about 4:00 a.m.

Cape Lambert,
Dolphin and Union Strait, N.W.T.

June 5. (Mon) Bearded Seal - several seen on the ice East of Cape Krusenstern from 11:00 p.m. to 1:00 a.m. and quite a number on the ice East of Cape Lambert about 4:00 a.m.

Camped on small stony point about two miles west of Cape Lambert bluff point. Found plenty of drift wood on beach here, some fairly large pieces. Most of the driftwood around here is rather old.

Lapland Longspur (Calcarius lapponicus lapponicus). Saw several on low grassy flat near point, apparently all males. (the first Longspurs of the season).

Snow Buntings - saw several around stony point.

+27° at 10:00 p.m. Cloudy bright, light East wind.

On tract 10:30 p.m., heading about west across shallow bay.

June 5. (Mon.) Found a broad expanse of open water all along the south side of Lambert Island, and extending west toward Ukullit (Liston and Sutton Islands) as far as we could see from slight elevation at long point. In crossing the bay about half a mile inside of the big lead we passed very close to a small open strip of water only a foot or so wide, and as the ice looked thin, we headed more inshore. A little farther inshore, Mr. Cox rolled up his sleeve and sounded a seal hole near the trail, finding the ice only about eight inches thick; so we headed nearly straight inshore and followed the beach closely until we were well past Lambert Island.

Eiders (Pacific and King) in great numbers on water, on ice, and flying about

Cape Lambert, and Lambert Island, Coronation Gulf. N.W.T.

June 5. (Mon.)

Pacific Eider. The large area of open water which forms very early in the spring around Lambert Island, makes it a great rendezvous for Eiders early in the spring, and also for nesting, as the Eskimos can not get out there after nesting commences. The shoal water to the south and west of the island must afford them a great supply of small molluscs.

June 6. (Tues.) Cloudy bright morning. Colder. Light East wind.

Stopped for lunch 1:45 a.m. at small gull island point East of Chantry Island.

Glaucous Gulls - saw four near Gull island; new nests building.

Passed East end of Chantry Island 4:05, and west end of Chantry Island reef 4:25 a.m. Reached station about 5:30 a.m.

Capt. D. Sweeney in bed sick from blood-poisoning, from hand cut while working on deck of "Alaska", May 4th.

Inspector C. D. La Nauze and Corporal W. V. Bruce, Royal North West Mounted Police are here with the two Victoria Island Eskimo prisoners, Sinnisiak and Uluksoak, held for murder of Pere Rouvier and Pere La Roux, in fall of 1913. The Inspector

June 6. (Tues.) wishes to take the two Eskimo prisoners out to Herschel Island on the "Alaska" with us.

Corporal W.V. Bruce was out in the morning, up the creek west of the station and shot several birds.

Semipalmated Plover — one female shot; ovaries rather small. Eskimo (local) name = Hikkinirktayuk.
670. ♀ Ægialitis semipalmata.

Baird's Sandpiper. Three shot by W.V. Bruce. Eskimo name (local). Hakshag'iak. 675. ♂ Pisobia bairdi.

Buff-breasted Sandpiper — Corporal Bruce shot two. ♂ ♀. The female Sandpiper had a large pale green egg, with brown spots, in oviduct. Both birds very fat.
668. ♂ Tryngites subruficollis
669. ♀ " "

Snow Buntings — saw several.
Hoyt's Horned Larks — a few seen
King Eider — one pair going east.

June 6. (Tues.). Spent most of day getting specimens in shape, but got tired out, having been up all night, and slept 2½ hrs. in afternoon.

+33.5 at 8:00 a.m. Wind SE 7 mi.
+38° " 5:00 p.m. " ESE 14 mi.
Max. +46° F. Clear 5:00 p.m.

June 7. (Wed.). Rain and snow from about 4:00 a.m. to 6:00 a.m. Fairly strong west wind. Cold forenoon; cloudy. Sunshine in afternoon. Wind NW. North at 9:30 p.m.

+35° at 8:00 a.m. Wind NW 24 miles. Cloudy, snow 8:00 a.m.
+33° " 5:00 p.m. " N 21 "
Max. +45.8° F. Clear, 5:00 p.m.

Worked on specimens. Packed up a lot of boxes which have been drying in the house. Got out stuff to pay Mupfa and Kohoktok for their services.

June 8. (Thurs.) Cloudy all day. Cold wind. +32° at 8:00 a.m. Wind NW 8 miles.
Weather clearing.
+34.2° at 5:00 p.m. Wind NE. 5 mi.
Max. +37.5°

Catalogued and put new labels on some specimens collected (purchased) by Capt. D. Sweeney.

Bearded Seal. #672 ♂ ad. Phoca barbata. Skin and skull. Taken by Eskimos East of Chantry Island, April 24, 1916.

673. ♀ foetal. Skin and skull. April 25, 1916. Taken by Eskimos East of Chantry Island.

674. Sex? Skin of small Seal (Phoca hispida), in white crinkly pelage. Taken by Eskimos East of Chantry Island, about May 1st, 1916.

Copper Nugget - Photographed for O'Neill the 40-lb. native copper lump, purchased from natives. Mupfa said he got it when he was a very

June 8 (Thurs.) young man, on the west side of Coppermine River, somewhere on the road to Dismal Lake. It had been then hauled across to Victoria Island, and kept in reserve, chunks being chopped off when needed.

(653). Copper Nugget. $\frac{3}{4}$-2 f.11. 10:00 a.m. B.Cl.
do. $\frac{3}{4}$-1- f.11- 10:00 a.m. B.Cl. (to O'Neill)

F. Johansen has a rather bad hand; finger swollen and festered from slight wound near finger nail.

Caribou— Corpl. Bruce was out on the hills to the SW of the station, and saw one Caribou alone. He got up within 30 yards of it, but did not try to shoot it.

Stilt Sandpiper (?). — One heard giving the peculiar "xylophone" note.

Baird's Sandpiper — several seen: Mupfa shot one.

Hoyt's Horned Lark — Mupfa shot one.

King Eiders — one flock flew over —

June 8. (Thurs.) Slate-colored Junco (Junco hyemalis hyemalis). Mupfa shot one specimen close to the coast, a little west of the station. #676. ♀. This was the only specimen I have seen near the coast, except the one taken last October at the mouth of Tree River, Coronation Gulf.

White-fronted Goose—(Anser albifrons gambeli). One flew over the harbor, going East about 11:00 p.m.

June 9. (Fri.) Cloudy. Cold. Fairly strong NE wind.
+ 29° at 8:00 a.m. Wind NE 5 miles.
+32° at 5:00 p.m. N.E. 4 miles.
Max. temp. +36.5°

Developing films most of the day.

King Eider. Skinned a ♂ shot by Corpl. Bruce; not very fat. *677. ♂.

Pacific Eider. Skinned a pair shot by Nate. *678 ♂ 679 ♀. S. v-nigra. Adam shot one male; badly mutilated.

Glaucous Gull. Mingalina shot one female; ovaries small. *680 ♀ Larus hyperboreus.

Seal. Adam killed one on top of the ice, with shotgun.

Bernard Harbour,
Dolphin and Union Strait, N.W.T.

June 10. (Sat.)

+30.2 at 8:00 a.m. Wind E. 6 mi.
Overcast.
+34.5 at 5:00 p.m. Wind E. 4 mi.
Max. +37°.

King Eider – Ikey shot one male. An old woman brought in two fresh eggs which she found on the land.

Pacific Eider – Ikey shot one female.

Black-bellied Plover – Corpl. Bruce saw three, and shot one.
*681. ♂ Squatarola s. squatarola.

Pomarine Jaeger. Patsy shot one female; dusky band on breast; ovaries size of No. 2 shot. *682. ♀ Stercorarius pomarinus.

Baird's Sandpiper – Corpl. Bruce saw a Sandpiper acting as if it had a nest, fluttering along as if wing were broken.

Yellow-billed Loon – Not many Loons have been seen yet. Patsy saw a Yellow-billed Loon today, and one June 4th. I have seen none yet.

June 11. (Sun.) Cloudy. Cold. Strong NE wind. A few snowflakes flying.

+33.9 at 8:00 a.m. Wind NE 9 mi. Overcast.

+34.2 at 5:00 p.m. Wind E. 3 mi. Max. +37°.

Snowing most of the forenoon, pretty wet snow, changing to rain in afternoon. Rain at intervals during the night.

June 12 (Mon.). +37° at 8:00 a.m. Wind NE 9 mi. Overcast. +41° at 5:00 p.m. Wind W. 1 mi. Max. +44.5°. Clearing in evening.

Cloudy and warmer in morning. The rain yesterday cut down the snowdrifts quite a bit. Two large holes through the ice at entrance of harbor; a deep channel in the ice the whole length of harbor, along which the tide ebbs and flows,

June 12 (Mon.). Painting of the "Alaska" was resumed today, after several days interruption due to cold weather.

Eiders — a few flying east in morning

Caribou — Kohoktok and Mupfa came in today. They were out all day yesterday and last night a long way to the southwest and killed a cow Caribou and a fawn. One other Caribou was seen.

Inspector La Nauze has had his two Eskimo prisoners, Sinnisiak and Uluksoaq, cutting up Seals today and Saturday. The meat is being laid out to dry. He has also had them hauling water from day to day, to give them exercise. They seem happy and cheerful and are always looking for jobs. They seem to have some sort of idea that they are working off the penalty of their crimes, and the more they can do, the quicker they will be released.

June 12 (Mon.). Hoyt's Horned Larks – two or three seen.

King Eiders – saw pair flying west about 5:30 p.m. Several small flocks going East along creek.

Pacific Eiders – two shot.

*685. ♂ Somateria v-nigra

*686. ♂ " "

Old-squaw Duck. Patsy shot a pair. female skinned. *683. ♀

Long-tailed Jaeger – saw two in afternoon.

Baird's Sandpiper – two or three seen.

Lapland Longspur – several seen.

Arctic Tern – Patsy saw three, the first of the season. (Sterna paradisaea)

Pomarine Jaeger. One female shot. White breast, with no dusky band.

*684. ♀ S. pomarinus.

Pacific Loons – several seen today going East over Chantry Island. Natives here call the bird Mallére. Patsy said his mother (from Wainwright Inlet, N.W. Alaska, calls them Tūnĭshuligaurak, from the bands on its back.

June 12 (Mon.) Yellow-billed Loon. Patsy saw about twenty during the day, flying east over Chantry Island.

Pacific Eider. *7/15. ♂. Skinned partly by Muffa.

Graflex photos.

654. Higelog (Eskimo woman), cutting up seal blubber. 3/4 - 2. f11. B. Cl. 4.15 p.m.

655. Muffa, (Eskimo man), head and shoulders.
3/4 - 2. f11. Brt. Cloudy. 4.15 p.m.

656. Higilog (Eskimo woman), full length.

657. R. M. Anderson (Exposed by J. E. Hoff)

June 13. (Tues.) Clear a.m. Strong East wind. Bright sunshine. Cloudy in afternoon. Rain in evening.

+39° at 8:00 a.m. Wind E. 13 miles.
+38° at 5:00 p.m. " ESE 15 "
Max. +48°.

Lanced Capt. Sweeney's hand in the forenoon, bringing out considerable pus.

Pacific Eider — Adam and Mungelua shot 7 females and 5 males on Chantry Island.

#685. ♀ 686. ♀ S. v-nigra. Weight $5\frac{1}{2}$ lbs. apiece.

Weight of Pacific Eiders.

♀ $5\frac{1}{2}$ lbs.	♂ 6 lbs.
♀ $5\frac{1}{2}$ "	♂ $5\frac{1}{2}$ "
♀ $5\frac{1}{2}$ "	♂ 6 "
♀ 5. "	♂ $5\frac{1}{2}$ "
♀ 7. "	♂ $5\frac{1}{2}$ "
♀ $4\frac{1}{2}$ "	5) $28\frac{1}{2}$ "
♀ 6. "	Aver. 5.699+
7) 39 "	
Aver. $5\frac{4}{7}$ lbs.	

June 13. (Tues.). Pomarine Jaeger — In the evening, one was circling around the harbor and over the ship; finally settled on the ice to feed on some seal scraps. Ikey shot it, a female, similar to No. 682, breast with dusky band.

706. ♀ Stercorarius pomarinus.

June 14. (Wed.) Raining during the night and during forenoon; Cloudy all day. Strong East wind.

+35° at 8:00 a.m. Wind E. 15. Overcast. Rain.
+36° at 5:00 p.m. Wind ESE 12. Atmosphere clear; sky clearing. Max. +44°.

King Eiders — Ikey shot 3 male King Eiders, 5 male Pacific Eiders, one ♀ Pacific Eider. In the evening the boy shot 10 Eiders and several Old-squaws. (5 ♂ Pacific Eiders, 3 ♀ Pacific Eider, 2 ♂ King Eiders).
Most of the Eiders fly along outside the islands.

June 14. (Wed.). Pacific Eiders - several of both sexes shot by the Eskimo boys today.

Old-squaw - Ikey shot one male with whitish head, outside of the small island at entrance to harbor.

*730. ♂ Harelda hyemalis. Several more Old-squaws shot in the evening.

*731. ♂ 732. ♂. do.

Pomarine Jaeger. *707. ♂. ; dark on breast.

Sabine's Gulls (Xema sabinii). Six shot today - one in afternoon by Patsy. 3 in evening by Patsy. and 2 by Kneffa.

708. ♀ Xema sabinii June 14. 1916.
709. ♀ " " " " "
710. ♂ " " " " "
711. ♂ " " " " "
712. ♀ " " " " "
719. ♂ " " " 15. "

June 15. (Thurs.) +35.8 at 8:00 a.m. Wind ESE. 16 mi.
Overcast.
—— at 5:00 p.m. Wind.
Max. Temp. ——

Skinned birds most of the day. Booms hoisted on board of "Alaska".

Sabine's Gulls. Patsy shot one.
#719. ♂. Xema sabinii

George H. Wilkins and the Eskimo Palaiyak arrived at Bernard Harbour in the forenoon, having camped near Cockburn Point last night. They had no difficulty crossing Dolphin and Union Strait from Victoria Island. They had come from the "Polar Bear's" winter quarters in fourteen days. "The Polar Bear" had been able to reach the Princess Royal Islands, in Prince of Wales Strait, and wintered about 10 miles from Armstrong Point, Victoria Island. The "Mary Sachs" is still at Cape Kellett (hauled up) with Capt. P. Bernard

June 15, (Thurs.) and the "Rambler" (Eskimo) family.
Most of the people from the "Polar Bear" have gone to Winter Harbour, Melville Island. The "North Star" got as far north as an unnamed island north of Robilliard Island by August 28th, and as ice did not open up, the vessel was hauled up on Sept. 10th. Wilkins said Mr. V. Stefansson left the "Polar Bear" Nov. 4th, and went to Cape Kellett, then to "North Star" camp, Bay of Mercy, Winter Harbour, and the "new land." Wilkins saw Stefansson last in April (April 18th). He expects to spend the summer on his new island, returning to Melville Island as late in the summer as the ice will permit.
Storkerson returned to the "Polar Bear" bringing news that Mr Stefansson's party had started along the NW coast of the new land on May 7th.

June 16. (Fri.) Cloudy a.m. Fairly strong E. wind.
+38° at 8:00 a.m. Wind E. 6.
Overcast, but clearing.
+40° at 5:00 p.m. Wind SE 9.
Max. +44.5°. Clear atmosphere.

Pomarine Jaeger. One female shot by F. Johansen.
713. ♀ S. pomarinus. Dusky bar across breast
715. ♂ " " From Eskimos by F.J. dusky bar on breast.
716. ♂ ad. From Mupfa. (White breast).

Pacific Eider. 714. ♂. Shot by Mik.

Black-bellied Plover. ♂ *717.

Snow Bunting. Patsy found a nest and five eggs under some rocks.

Black Brant. One was shot today by Kohottok, but skin was spoiled. On June 14th, Mr. G.H. Wilkins saw two Black Brant near Cockburn Point. Kohoktok called the Black Brant, Nĕrĕtik.

Willow Ptarmigan. One male sighted near our tent at end of peninsula, and Mr Cox shot it. 718. ♂ L. l. lagopus

June 17. (Sat.) Clear a.m. Warmer. Fairly strong East wind.

+41.5 at 8:00 a.m. Wind SE 20 mi.
+43.5 at 5:00 p.m. " ESE 12 "
Max. +48.5. Clear all day.

Considerable water in shoal channel west of small island.

Mr. Cox reported that there is a lead of open water three or four miles East of Chantry Island.

Eiders – a few flying, both places.

Glaucous Gulls – a few seen. Patsy found a nest and three eggs on a little island in bay, East of here; south of Chantry Island.

Baird's Sandpiper – Patsy found a Sandpiper's nest and four eggs south of the bay today – probably Baird's Sandpiper.

Sabine's Gull – Patsy shot three today. *720 ♀. 721 ♀.

Pacific Eider – ♂ shot.

Bernard Harbour,
Dolphin and Union Strait, N.W.T.

June 18. (Sun.)

Clear, bright morning.
+44° at 8:00 a.m. Wind E. 17 mi.
+48° at 5:00 p.m. Wind ESE 12 "
Max. +52.5°. Clear all night

Pacific Eider (Somateria v-nigra). Eskimo name for male is A mau'lik; female is Hōg-lŭk-tok (From Ikpukhuag, Coronation Gulf, ~~Palliermiut~~ Puiblirmiut). Mike found several nests on little low island East of Cockburn Point. The Eiders are just beginning to nest now, some new nests with no eggs yet, others with one or two eggs.

King Eider — Mike found one nest on the mainland, supposed t be King Eiders, smaller than Pacific Eiders eggs, and with more greenish tinge.
Eskimo name (from Ikpukhuag, Puiblirmiut). Male = Kring-a'lik; female is Mitirk. (Same names as Mackenzie River Eskimos)

Bernard Harbour,
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June 18 (Sun.). Glaucous Gull - Mike found one nest with one egg and another with two fresh eggs, and robbed both $\frac{6^3}{2}$. Muffa also brought in three eggs of Glaucous gull from a nest which he found on a little island in a lake west of camp; slightly incubated. Set $\frac{64}{3}$.

The prospects are pretty poor for getting many nests or photographs, with several families of Eskimos hanging around, blazing away continuously at anything with feathers, and scouring the country for nests. If they bring in any eggs they are usually cracked, and except in a few well-marked species the identity is not certain, and the specimens of no scientific value.

Short-eared Owl - One male shot by Eskimo. Stomach contained a Lemmus. *722 ♂ Asio flammeus.

Bernard Harbour,
Dolphin and Union Strait, N.W.T.

June 18. (Sun.)

Pomarine Jaeger. 723. ♀.
Shot by Eskimo. Iris dark brown.
Stomach empty.

Sabine's Gull – One was shot by Eskimo, but was too bloody to be of use.

Fish – Kohoktok found a peculiarly black and white-marked fish on the ice dead. Preserved by F. Johansen.

June 19. (Mon.)

+52° at 8:00 a.m. Wind NE 3 mi.
+42° at 5:00 p.m. Wind variable.
Clear in morning. Cloudy after 10:00 a.m. Light sprinkles of rain from 11:00 a.m. to 4:00 p.m. Clear in evening. Calm in evening.

Went with J. R. Cox and Patsy to the point south of Chantry Island, at which point they are now working completing the detailed contour map (plane-table) begun by Mr. Chipman last summer.

June 19. (Mon.) Glaucous Gull - nest among boulders on small stone and gravel island south of Chantry Island. Composed of kelp; lined with fine grasses, seaweed, moss, etc.; two eggs; incubation fresh. 65/N2.
Photo. 683. 1G. Nest Glaucous Gull. 65/N2.
3/4-2. f11. 10:20 Cloudy. (Short focus).
684. do (Short). 685. do. (Long lens).
Glaucous Gull, Set 66/N3. from nest on low tip of long, stony island SE of Chantry Island; three eggs; incubation begun. Both Gulls flew around overhead, uttering a high piercing scream, occasionally swooping down to within 20 yards.
Baird's Sandpiper (Pisobia bairdi) Nest found yesterday by Patsy. Nest on hillside, covered with moss and lichens, with occasional patches of grasses and Saxifrage (the latter in bloom). The bird left nest when we were some distance away, but came

June 19. (Mon.) back later while I was photographing the nest. When I paid no attention the Sandpiper kept running slowly around - at a distance of from 15 to 30 feet, occasionally picking up something from the ground. If I made any movement towards the bird it would at once adopt broken-wing tactics and flutter away. Eggs in a slight hollow in the ground, lined with a few dead needle-like leaves of *Dryas*. Incubation slight.

#724 ♂ *Pisobia bairdi* Set 67/N4.

Photo. 686. 4G. Baird's Sandpipers nest. 67/N4. 3/4-1-f11. Cl. 11:00 a.m.

687-688-689-690. - Baird's Sandpiper (♂) near nest. 3/4-1-f11. Cloudy. 11-11:30 a.m.

Snow Bunting - Saw a pair among old rock caches on mainland SE of Chantry Island, but could find no nest. Later I found a nest which was located by Patsy, at the edge of

June 19. (Mon.). low dolomite exposure on south side of Chantry Island, among loose, broken fragments of rock, covered by a thin slab of rock about 2 feet long. Nest made of grass, lined with finer grass, caribou hair and feathers. Both parents taken. The male had a large black spider in his bill when shot. Saw the female leave the vicinity of the nest when I came up, but she soon came back while I was there.

#725 ♂ Plectrophenax n. nivalis
726. ♀ " " "

Photo 690. 611. Nest of Snow Bunting n/6. fresh eggs. 3/4-1-f11- cl. 2 a.p.m.
Snow Bunting ♀.

Pacific Eider - Saw a number of pairs flying about, or sitting on small rocky islands.

Lapland Longspurs - a few seen on mainland and on Chantry Island.

June 19. (Mon.). Long-tailed Jaeger – one flew close to me, going eastward, – on the south side of Chantry Island.

Golden Plover – One shot today. 727. ♀ Charadrius d. dominicus; ovaries small.

Sabine's Gull. 728. ♀; ovaries small.

Mr. Cox and Patsy came back by way of Fishing Creek, about four miles east of the harbor. One Eskimo family there, and the man caught (speared) 7 large Salmon Trout today, running down from lake. The natives from the lake 2 or 3 days ago, reported that small Salmon Trout are running down the creek from the lake.

June 20. (Tues) Clear a.m. Warm. Fairly strong East wind, increasing in afternoon.
+53.5° at 8:00 a.m. Wind E. 8 mi. Clear.
+49° at 5:00 p.m. Wind SE. 20 mi. Max. +55°. Clear.

Ice in south bay is gone, up to a point nearly opposite the house farther than it had gone out by July 3rd last year. We have had to use a canoe to get out to the "Alaska" for several days, to cross a broad, deep trough in the ice where the tide runs back and forth like a river. The shoal at "No-Channel Opening" has been free of ice for about a week.

Skinned birds and blew eggs today. Wilkins developed a magazine full of 4x5 plates for me.

Eiders. Both Pacific and King Eiders flying a little; also Old-squaws

June 20. (Tues.) Semipalmated Plover - one shot today.
*734. ♂ Ægialitis semipalmata.

Mr. George H. Wilkins gave me a written summary of his own work and the operations of the Northern Party of the Expedition for the past year.

"Bernard Harbour, June 20th, 1916

"Dear Dr. Anderson:

"Because of the probability that you will not receive this summer, communications to you from Mr. Stefansson which I know to have been sent via Cape Kellett I will set forward briefly for your information the movements of the Northern section of the Expedition during the interval from Aug. 14 to June 1, 1916.

"In accordance with instructions from Mr. Stefansson the North Star sailed direct from Baillie Island to Cape Kellett.

"At Cape Kellett further instructions were received for the North Star, in the absence

June 20. (Tues.). "of the Polar Bear or further instructions to proceed north on Aug. 22nd to Mercy Bay or some other suitable harbour from which ice exploration could commence during the spring of 1916.

"It was unsatisfactory for me to go north without first seeing my 1915 mail and it was not until three days after that date that the North Star set out.

"There was then no sign of the "Polar Bear" and it seemed probable that she would not arrive that summer.

"The North Star with Castel, Natkusiak, Lopez, Ukluktorook and myself proceeded along the west coast of Banks Island having some difficulty with ice at Cape Kellett sandspit, Worth Point, Haswell Point, and Wolley Point. The heavy pack ice was in no place far from the beach but the shallow draft of the vessel enabled us to pass. There was not an opening to be seen outside of Norwood and Robilliard Islands and

Bernard Harbour,
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June 20. (Tues.) "inside the ice was still fast to the beach in an unbroken floor until Aug. 26th. It moved off sufficiently to enable us to proceed as far as an unnamed island north of Robilliard Island by the 28th. Here we found a safe harbour and waited for the ice to move off the beach. In spite of favorable winds the ice did not open up and remained in an unbroken floor with the exception of a narrow short lead until Sept. 10th. We could by this time walk on the sea ice and as there seemed to be no possible chance of getting the vessel farther north that summer, she was hauled out on the beach.

"Leaving Castel and Lopez to arrange winter quarters Natkusiak and myself went inland hunting. For about a fortnight we had little success due no doubt to unfavourable weather but after finding the first caribou about 35 miles inland we saw them in great numbers each day

Caribou – East of Robilliard Island, Banks Island.

June 20, "we hunted.
(Tues.) " By October 20th we had 52 carcasses hauled to the boat. This seemed to be enough fresh meat for our use but as we were likely to be short of fat for the spring work Natkusiak was established in camp at Cape Prince Alfred, where we knew there would be open water at intervals during the winter, and where it would be possible to get a supply of seal blubber.

Towards the end of October I made a trip to Cape Kellett to inform that section of the Expedition as to the whereabouts of the North Star. It was then that I heard the news of the purchase of the Polar Bear and the Gladiator by Mr. Stefansson, and the proposed extension of the Northern Section of the Expedition until 1917 at least. I did not receive any mail, it had been taken on with the Polar Bear. This boat had left Cape Kellett on September 4th proceeding toward Nelson Head after ten unsuccesful

June 20. (Tues.) attempt to pass Cape Kellett and follow the west coast of Banks Island. The Gladiator had been given in part payment for the Polar Bear.

"There had been a number of people hired and additional supplies purchased by Mr. Stefansson last summer immediately after receiving the mail at Herschel Island. In the absence of authentic information as to the nature of the communications from the government these activities pointed toward approval and sanction for the extension of the northern party's facilities far beyond the most sanguine expectations.

"Mr. Stefansson had intimated to Captain Bernard that he intended to spend two months at Cape Kellett during the winter. He was expected there early in November. I waited in the vicinity of Cape Kellett for three weeks and as there was no sign of Mr. Stefansson I returned to the North Star

Bernard Harbour,
Dolphin and Union Strait, N.W.T.

June 20. (Tues.). "Two weeks after I reached the North Star a sled arrived from Cape Kellett with a request from Mr. Stefansson for me to meet him at that place. I saw him on the 29th December and he confirmed some of the news I had heard on the previous visit.

"The Polar Bear had been able to reach the Princess Royal Islands, Prince of Wales Straits, with trouble with the ice. Here, because of the inability of the ship on account of the heavy load to "work" ice it was decided to put a small party and some supplies ashore. Before this work was completed the ship was beset by the ice and was unable to proceed further than within 10 miles of Armstrong Point, Victoria Island. They made this place their winter quarters. Mr. Storkerson and a party had set out as early as possible in the fall to try and complete the mapping of the NE coast of Victoria Island.

Bernard Harbour,
Dolphin and Union Strait, N.W.T.

June 20. (Tues.) "Mr. Stefansson outlined his plans for 1916 and a possible extension until 1917 — an excursion over the ice into the Beaufort Sea starting from Cape Alfred, Banks Island, during the latter end of February or the beginning of March, and an effort to continue the survey of the land visited last summer — this trip to extend late into the summer with the possibility of the men having to spend the full summer on one of the northern islands and connecting with the Polar Bear during the fall. In this case the Polar Bear would endeavor to winter at Winter Harbour, Melville Island, in 1916-1917.

"By so doing she would complete the N.E. passage and be in a favourable position to return to civilization by an eastern route.

"The preparations for the ice trip were being made at the North Star under the direction of Mr. Stefansson while freighting for the New land was being done from the Polar Bear

Bernard Harbour,
Dolphin and Union Strait, N.W.T.

June 20. (Tues.) "Storkerson who was to be in charge of the ice trip should according to arrangements have been at the North Star camp by the middle of Feb. When he had not appeared by the middle of March it was thought that something serious had happened at the Polar Bear, and as it was by this time too late in the season to rearrange the plans of the ice trip three sleds with supplies for the new land trip started along the north coast of Banks Island. At Mercy Bay we found a not from Storkerson saying that he had about half finished the mapping to be done on the N.E. of Victoria Island. He had started out for the ice trip - but - after reaching John Russell Point, Banks Island, he decided that because of the loss of some dogs and the condition of the others that it would be useless to attempt both trips this season. He had therefor devoted his time to freighting for the New Land trip.

June 20. (Tues.) "This happened in February and it was 1st of April before we went to Mercy Bay. It now seemed best to connect with Storkerson as soon as possible. We crossed at once from Banks Island to Melville Island, where we heard on April 18th from a support party that Storkerson, five other men, and four sleds fully loaded with supplies were well on their way to the new land and expected to start work there on the 1st May. Mr. Stefansson left at once to catch up with Storkerson while I started for the Polar Bear en route to the Victoria Island Eskimo to carry on my particular work.

"Before parting Mr. Stefansson gave me authority in case I found it necessary to return to civilization this year — to take a team of dogs, sled, supplies, and assistance from the Polar Bear. Upon reaching the Polar Bear I found from my mail that I should have tried to reach civilization last year and now it was important that I should do so this year unless contrary instructions are received by mail.

June 20. (Tues.) "However, conditions were such that it seemed advisable for me to remain in charge at the Polar Bear until as late as the season permitted; consequently I did not leave before June 2nd.

"In the meantime Storkerson had returned to the ship bringing news that Mr. Stefansson and his party had started along the NW coast of the new land on May 7th. They would remain in the field as long as conditions would permit, expecting to return only as far as Melville Island this summer where Storkerson and his party of 12 or 14 people would be engaged in putting up dried meat for next year's work. If, however, the coast of the new land turned in a southwesterly direction and it seemed possible that no other land existed in the Beaufort Sea within sledding distance of Banks Island or Prince Patrick Island then the Northern section would

Bernard Harbour,
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June 20 (Tues.). "make every endeavour to return to civilization this summer. Storkerson would after establishing his party on Melville Island try to complete the mapping of Victoria Island this spring. I am

Yours truly,

Geo. H. Wilkins."

No direct word was received from Mr. Stefansson, as he had send his mail down to Cape Kellett. Capt. Danl. Sweeney received a letter from Mr. Tom Seymour, chief mate of the "Polar Bear". One man had died of heart failure during the winter, Mr. J. Jones, of Seattle, Chief Engineer of the Polar Bear.

Bernard Harbour,
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June 21. (Wed.)

+50° at 8:00 a.m. Wind SE 6 miles Clear.
+64° at 5:00 p.m. " SE 10 "
Max. +65°. Great refraction, producing mirage all day. Water appears a little east of Chantry Island.

Boxed and crated all Caribou heads, legbones, etc. making a large case out of small boxes.

J. R. Cox and Patsy Klengenberg are surveying from the Fishing Creek west.

Baird's Sandpiper — Two nests of four eggs each found by Patsy, on south side of bay.

Eiders — a few flying occasionally around the bay.

Old-squaws — a few flying around the bay.

Glaucous Gulls — a few seen.

June 22. (Thurs.) Strong westerly wind all day. +66.3 at 8:00 a.m. Wind SW 20 miles. (Wind S. at 7:00 a.m. N.W. at 12:00 m). +60.5 at 5:00 p.m. Wind NW 25 miles. Max. +76°. Clear.

Developed films most of the day. Repacked several boxes of bones for shipment; and painted boxes white on one side for addressing.

Lapland Longspur. Mr. Cox found a nest with five eggs on grassy land to the SE of harbor.

Bernard Harbour,
Dolphin and Union Strait, N.W.T. –

June 23. (Fri.). + 41.5 at 8:00 a.m. Wind NW 24 miles.
+ 49° at 5:00 p.m. Wind NW 4½ "
Max. +56°. Cloudy in morning. Sunshine at noon. Strong NW wind.

The Eskimo boys were kept busy by Capt. Sweeney cutting the schooner "Alaska" free from the ice; assisted a little by blasting with powder. The schooner finally floated free.

Packing and boxing specimens most of the day.

Yellow-billed Loon – Ikpukhuaq caught a Yellow-billed Loon in his net at the Fishing Creek.

Old-squaw – One male Old-squaw was drowned in gillnet at mouth of south Creek (SW of house) today.

*733. ♂ Harelda hyemalis.

Bernard Harbour,
Dolphin and Union Strait, N.W.T.

June 24. (Sat.)

Clear. Light westerly wind in morning increasing in afternoon and evening.
+42.9 at 8:00 a.m. Wind NW 15 miles.
+49° at 5:00 p.m. " NW 27 "
Max. +52°. Clear all day.

King Eider - one male shot; still in full plumage. 735. ♂. S. spectabilis

Lemming Vole - One was caught by Patsy on tundra SW of harbour. He ran it into a small hole about one foot deep in the tundra and dug it out. It ran very fast and he chased it for some distance.
729. ♂ Synaptomys sp. L. 125 T. 18 HF. 19 mm.

June 25. (Sun.) Clear. Strong NW wind.
+47.5 at 8:00 a.m. Wind NW 15 miles.
+46° at 5:00 p.m. " NW 31 miles.
Max. +55°. Clear.

Pacific Eider. (Somateria v-nigra). Mike and Ikey came back in the evening, having been out since last night. They brought in about 180 Eiders' eggs, mostly Pacific Eiders', but a few King Eiders' (?), from small islands off Cockburn Point. Most of the sets were incomplete, although they found one nest with eleven eggs. 738. ♂ S. v-nigra; full plumage.

King Eider. Mike and Ikey brought in two eggs of what they thought were King Eider, found on mainland. All the Pacific Eiders were nesting on the islands. Two King Eiders shot.
739. ♂ Somateria spectabilis
740. ♀ " "

Glaucous Gull. Mike and Ikey took two nests with three eggs each, near Cockburn Point, but broke some eggs from each set.

Bernard Harbour,
Dolphin and Union Strait, N.W.T.

June 25 (Sun.). Sandpiper (Bairdi?) – a nest with four eggs found on land towards Cockburn Point, by Nuke and Ikey, but was not taken.

Golden Plover – One shot; female, with belly bare from incubation. 736. ♂ Charadrius d. dominicus.

Yellow-billed Loon – One was brought over from the Fishing Creek by natives. 737. ♂ Gavia adamsi.

Salmon Trout – Eskimos packed over from the fishing creek, bringing a few large half-dried Salmon Trout.

June 26. (Mon.) Clear a.m. Strong NW wind.
+50.5 at 8:00 a.m. Wind NW 12 miles.
+48° " 5:00 p.m. " NW 26 "
Max. +54°

Old-squaw - a few in bay.

Pacific Eider - Corporal Bruce saw some male Eiders flocking, about 35 in flock.

June 27. (Tues.) Clear a.m. Cloudy towards noon.
+49° at 8:00 a.m. Wind NW 12 miles.
+51° at 5:00 p.m. " E. 8 "

Wind N. at noon, SE in evening.
Sprinkle of rain about 10:00 p.m.

Small yellow flowers ——— out today for first time. The large species of Pedicularis have been out for several days.

Salmon Trout - two large males (one weighing 11½ lbs., the other a little less) and one female (ca. 4 lbs.), taken in gill net (5½ in. mesh), in south bay near mouth of creek.

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June 27. (Tues.). Raven - A moulting specimen was shot by Corporal Bruce.

*744. ♂ Corvus corax principalis.

Pacific Eider - Inspector La Nauze with the two Eskimo prisoners, Sinnisiak and Uluksoaq, took a handsled and went out to islands off the point about 8 miles west of the station (off the East tip of Cockburn Point. They got about 250 Eider's eggs, mostly Pacific Eiders', although some looked like King Eiders'; nearly all fresh. Some nests had 5 or 6 eggs, but generally less. They travelled on the ice most of the way, and found very few cracks. The ice was mostly melted on the shoal water between the islands and the mainland, and they had to wade through water about waist-deep near the islands.

Seals - about 30 or 40 seals seen on the ice between Bernard Harbour and Cockburn Point.

June 27. (Tues.). Bearded Seal - 5 or 6 Ugyuk (Bearded Seals) seen on the ice west of Bernard Harbour, towards Cockburn Point. Ice still solid; very few cracks.

Mosquitoes - Several mosquitoes out today. None have been seen since the one specimen seen about a week ago.

Went up on the hills to the south-west of bay in the evening.

Baird's Sandpiper - Saw a pair on dry bench near creek. They apparently have a nest ~~there~~. Usual note is a shrill "tsirrp" (with a slight burr), but they have another low "tsi-ip" note.

Lapland Longspur - 3 or 4 seen. Patsy found nest 4 young birds and one egg, in grass near lake.

In harbor, ice is mostly out of East End, and getting rather thin everywhere. Ice out of south bay ~~about~~ to end of point (near house).

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June 28. (Wed.) Cloudy a.m. Strong NW wind. Light wind in afternoon. Bright sunshine all afternoon.

+43.5 at 8:00 a.m. Wind NW 15 mi.
+49° " 5:00 p.m. " " 15 "
Max. +54.5°.

3A-photos.
692.(2.) C.A.E. House. Bernard Harbour.
11 - $\frac{1}{50}$ - B. S. 7:00 p.m.
693 (3) do. 694.(4.) do.
695.(5) Geological Survey tent.
696.(6.) C.G.S. Alaska in harbor.

Worked on packing stores today.

King Eider - a few Eiders flying. One male shot. 747. ♂. S. Spectabilis. A pair of King Eiders were shot by Mr. Cox at creek a little below the west lake.

Old-squaws - Saw a few in bay.

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June 29. (Thurs.). +43.5 at 8:00 a.m. Wind E. 11 miles. Clear. Wind changed about 2:30 p.m. from East to Northwest. Max. +57°. +57° at 5:00 p.m. (Corr. -2°). Wind NW, 17.7 miles per hour.

Packed up some more specimens.

Mr. D. Jenness and Patsy Klengenberg started with two dogs to pack to Cape Krusenstern to investigate the stone houses on the bluff near Point Lockyer. Mr. Wilkins went along as far as the Fishing Creek to take pictures there.

Salmon Trout – The trout are coming up now (Salvelinus malma), mostly large ones. About 20 to 25 Eskimos are there now, and all of them are drying many fish. Fish do not run much during daytime, but come up at night. The people watch for the run, and get out and spear large numbers in their large stone traps or pounds.

Lapland longspur – Wilkins found nest with young birds.

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June 30. (Fri.). Clear all night. Light wind from NW at midnight, but had changed to NE at 4:00 a.m.

+46.6° at 8:00 a.m. Wind E. 10 miles.
+53° " 5:00 p.m " W. 9.1 "
Max. +59°.

Long tailed Jaeger. One shot by Palaiyak.
748. ♂ Stercorarius longicaudus.

Hoyt's Horned Lark. Two fledged young birds caught south of bay.
750. ♂ juv. Otocoris alpestris hoyti.
751. ♀ " " " "

Baird's Sandpiper. A downy young bird, just hatched, caught on land south of bay. 752. Sex? Pisobia bairdi

Herring Gull. One male shot near schooner by Jas. Hoff.
749. ♂ Larus argentatus

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July 1. (Sat.) +39.1 at 8:00 a.m. Wind E. 8 miles.
+45 at 5:00 p.m. " " 20 "
Max. +53.5.
Packed books and specimens.
1 Survey box Encyclopaedias;
1 " " Arctic books.

July 2. (Sun.) +37° at 8:00 a.m. Wind E. 20 miles.
Weather overcast; rain.
+35.5 at 5:00 p.m. Wind E. by N. +288 mi.
Max. temp (?) - box blown down by wind.
Clear after 6:00 p.m. Light NE wind.
Freezing a little at midnight.

Caribou. Ambrose and Palaijak went out to SW and saw a herd of twelve Caribou. They shot five Caribou, all young bulls. They saw one fawn in the herd. The Caribou had about ½ inch of back fat.

July 2 (Sun.). The Caribou killed had bodies and legs still covered with old loose hair, which could be swept or brushed off in great masses, leaving the short, ~~new~~ velvety, grayish brown new hair exposed. The natives were out hunting all night, and came back in the morning. They had cut the feet off all the skins, so they were valueless as specimens. They packed home the skins and some meat and went back for all the meat later.

July 3. (Mon.) +41° at 8:00 a.m. Wind NE. 8 miles.
Clear, bright sunshine all day.
+44° at 5:00 p.m. Wind N by W. 5 miles.
Max. +48° (Standard). Max. thermometer remained at +47°.
Mosquitoes rather bad today.
Went up on the hills west of Bernard Harbour; took a number of pictures

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July 3. (Mon.) Graflex. films.

700. (1.) Red and black Butterfly.
3/4-4. f11. B.S. 1:30 p.m.

701. White flowers (yellow center).
Dryas octapetala 3/4-4-f11. B.S.

702. King Eider's nest and 5 eggs 7/N5.

703. Hoyt's Horned Lark's nest 70/N4.

704. Hoyt's Horned Lark ♂.

705. do.

706. do.

707. Valley of creek on west end of Bernard Harbour. Looking SE.

708. Bernard Harbour, looking East, from high hill west of bay.

709. Yellow flowers, in tall grass.

King Eider — Corporal Bruce found a nest and five eggs near a small pond on low tundra about 1/2 mile from the coast; nest near boulders. Set 7/N5; incubation begun. The female duck returned and circled about the nest several times. Photographed nest. No 702.

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July 3. (Mon.) Hoyt's Horned Lark. ~~Found~~ a nest with four eggs in a little hollow on grassy ground near natural dry trench on high stony hill top west of harbor. Incubation advanced. The male bird kept coming back repeatedly, but was very wild and restless, and I had difficulty getting pictures. Photo - nest. No. 703. ♂ bird (Photos: 704-705-706)

Baird's Sandpiper - Corporal Bruce caught two downy young near mouth of Creek, but let them go. Went up in the afternoon with Graflex camera. Both parent birds were there and made a great fuss, but the young birds could not be seen.

Lapland Longspur - a few adults seen on hill and in creek valley. One juvenal bird ~~brought~~ in by Klaulut; wing fledged; stub tail.

755. ♀ Calcarius l. lapponicus. Juv. fledged
756. ♂ " " " "
757 ♂ " " " "

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July 3. (Mon.) Snow Bunting — Saw a ♂ near mouth of South Creek. Mr. Johansen said he saw a nest with six eggs on the ground under a flat stone.

Hudsonian Curlew — Corporal Bruce saw a pair of Hudsonian Curlews on flat land west of Harbour, towards Cockburn Point.

Black-bellied Plover — Corporal Bruce saw Black-bellied Plovers on flat land towards Cockburn Point.

July 4. (Tues.) Clear bright morning. Light west wind.

+46° at 8:00 a.m. Wind North 3. Clear.
+45.5 at 5:00 p.m. Wind NNW 15.
Max. +61.5.

Mosquitoes rather numerous. Warm all day. Light west wind. Took a bath in fairly warm pool on top of hill north of Bay. Some of the men were swimming in the creek in the evening.

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July 4. (Tues.) Ice in outer bay gone, about half way out to "Uluksoag's island", the edge of ice running out from stone-cairn point on south side. Ice in harbor all loose and broken up; floating about.

Baird's Sandpiper — One juvenal specimen caught; preserved in alcohol.

758.	Sex.?	*Pisobia bairdi.*		
766.	" "	"	"	juv. downy.
767.	" "	"	"	" "
768.	" "	"	"	" "
769.	" "	"	"	" "

Pied Lemming — *Dicrostonyx* sp. One female adult and six young specimens, were brought in by Eskimos, caught between the house and the Fishing Creek, on the south side of the bay.

759.	♀	Dicrostonyx sp.		ad.	177–17–17.
760.	♂	"	"	juv.	82–8–15.
761.	♂	"	"	"	84–8–15.

Bernard Harbor,
Dolphin and Union Strait, N.W.T.

					L.	T.	H.F.
July 4. (Tues.).	762. ♂	Dicrostonyx	sp.		81 –	8 –	14 mm.
	763. ♂	"	"		83 –	10 –	15
	764. ♂	"	"		83 –	10 –	15 (alcoholic)
	765. ♀	"	"		83 –	9 –	15 "

The adult female specimen had seven (7) foetuses in utero, each about ½ in. long.

July 5 (Wed.). Clear all day. Light westerly wind. Calm in evening. Most of the ice (practically all) of the ice floated out of the harbor today.

+51.2 at 8:00 a.m. Wind NW 9 mi.
+51.8 " 5:00 p.m. " " 23.7 mi.
Max. + 60.5°

Pacific Eider – male shot; still in full plumage.

Oldsquaw – Male shot, in full plumage. Numbers of Old-squaws flocking in bay.

Snow-Bunting – The nest of five or (?) hatched a day or two ago.

Bernard Harbour,
Dolphin and Union Strait, N.W.T.

July 6. (Thurs.).

Clear day. Calm at 7:00 a.m. Mosquitoes pretty bad. Breeze started up from East in forenoon, and increased in afternoon.

+52.1 at 8:00 a.m. Wind E. 3 miles.
+47.0 " 5:00 p.m. " E. 16.5 "
Max. +57.5°

The current from East carried back a good deal of ice in outer bay which had blown to Eastward yesterday; ice drifting west before the East wind started. South bay nearly full of level bay ice again.

Old-squaws – Numbers in outer bay.
King Eiders – a few males flying
Pacific Eiders – " " " "

July 7. (Fri.). Clear a.m. Light southerly wind. Warm all day. Light westerly breeze about 11:00 p.m.

+54° at 8:00 a.m. Wind SE 3 mi.

+61° at 5:00 p.m. Wind E.

Max. +75°. Wind very light and variable all day. Mosquitoes more numerous than before.

O'Neill and Inspector LaNauze came back from Fishing Creek in the early morning. The fishing takes place at night over there now.

Pied Lemming – One adult female, with three young, brought in from the Fishing Creek.

770. ♀ ad. Dicrostonyx sp.
771. juv. " "
772. " " "
773. " " "

Bernard Harbour,
Dolphin and Union Strait, N.W.T.

July 8. (Sat.). Clear a.m. Light SW wind.
+72.5 at 8:00 a.m. Wind W. 9 miles
+66° at 5:00 p.m. Wind NW.
Max. +76.5° Smoky haze in air all day.

Pacific Eider - An Eskimo brought in a ♀ Pacific Eider with nest and five eggs, taken near side of large lake south of harbor. Set 72/N5, incubation about one-third.

778 - ♀ Somateria v-nigra.

Lapland Longspurs - Three young specimens brought in, with stub wings and tails; preserved in alcohol.

774. juv. C. l. lapponicus (alcoholic)
775. " " " " (")
776. " " " " (")

Mr. D. Jenness, and Patsy Klengenberg returned from Point Lockyer. They dug all around the supposed stone house, finding nothing in the house but a few animal bones. The

July 8. (Sat.). bottom (floor) of the house was only about $4\frac{1}{2}$ feet across, not long enough to lie down in. There was no evidence of banking house or chinking crevices between the stones. Mr. Jenness thinks it was probably not used for a dwelling; more apt to be a lookout station.

King Eiders — Mr. Jenness found a number of Eiders' nests between Bernard Harbour and Cape Krusenstern. The Eiders' eggs were mostly incubated.

Lapland Longspurs — numbers of young birds seen on trip to Cape Krusenstern (D. Jenness).

Black Brant — Mr. Jenness said that several pairs of Black Brant are nesting, together with Gulls on a small island in a large lake a little East of Cape Lambert. They could not get out to the island.

July 8. (Sat.)

Spermophiles — Mr. D. Jenness reports that they saw very few Spermophiles while packing from here to Cape Krusenstern. The ground seems to be to stony for them to dig burrows, (or to dig roots possibly).

Lemmings — Both old and young ones seen between here and Cape Krusenstern (D. Jenness).

Arctic Hare — Patsy Klengenberg killed a ♂ near Cape Krusenstern on July 3.

Salmon Trout (Salvelinus malma) Fish have stopped running at the Fishing Creek, three miles east of Bernard Harbour; but fish are still running at creek about 12 miles East; three Eskimo families fishing there. Several families near Cape Lambert. The fish are running both day and night there. The Eskimos have dried a good many fish at all of the fishing places.

July 8 (Sat.). and are caching the sun-dried fish in pits under slabs of rock. Two Salmon Trout and four Whitefish taken in our nets in bay near house today. Whitefish have been very rarely taken here, I think only once or twice before.

Mosquitoes very numerous and annoying today.

Several people swimming today, both in bay and in creek.

Caribou — Ikpukhuak killed a young bull today; hair very short; about half of body covered with old hair. Antlers rather short. The local Eskimos are preparing to start inland on their annual summer hunt, as the fishing season is practically ended.

Bernard Harbour,
Dolphin and Union Strait, N.W.T.

July 9. (Sun.) +48.3 at 8:00 a.m. Wind SE 13 miles
Hazy, bright cloudy morning. Wind keeping the mosquitoes down pretty well. Bay open last night; no ice apparently to middle of south side of Chantry Island.

+51° at 5:00 p.m. Wind SE. 6 miles.
Max. +72°.

Mr. Cox and others went out to Chantry Island with umiak and Evinrude motor. Boat could go inside island to "5-mile point," and Mr. Cox thought that possibly a ship could get through to the Lambert Island lead. Went up on hill NW of harbor, but could see only two or three small spots of water to NE, although there is quite a bit of water close to and around Cockburn Point.

White-winged Scoter - Mr. Cox saw several going west.

July 9. (Sun.) Pacific Eider - Mr. Cox found a nest with five eggs on Chantry Island, but left it. Some Eiders' eggs which the cook had left on a warm shelf in the house were nearly ready to hatch today. Preserved two young (Embryo) Eiders in formalin. One adult male shot.

780. ♂ Somateria v-nigra. Full plumage.

King Eider - One male shot: still in unchanged full plumage with nasal prominence bright yellow and plump.

Old-squaw - numbers in the bay. ♂ shot. *779 ♂ Harelda hyemalis.

Yellow-billed Loon - Three seen today. They have been much scarcer here this summer than last summer.

Lapland Longspur - 2 or 3 on hills.

Glaucous Gull - an occasional gull flying over.

Salmon Trout - two in net in evening.

Hoyt's Horned Lark - 2 or 3 on hill.

Packed goods most of the day.

Bernard Harbour,
Dolphin and Union Strait, N.W.T.

July 10 (Mon.). Hazy, cloudy day.
+45.8 at 8:00 a.m. Wind E. 3 miles.
+51.5 at 5:00 p.m. Wind E. 5 "
Maximum +63°.

Pacific Eider - O'Neill found a nest on Chantry Island; 5 eggs, - the same nest found by Mr. Cox yesterday.

Old-squaw - numbers in bay; one male shot. 781. ♂ H. hyemalis.

Snow Buntings - a few around house.

Engine distillate, etc., loaded on board the "Alaska" today.

July 11. (Tues.) Cloudy morning. Light NE wind. Cooler. Sunshine in afternoon; warmer.
at 8:00 a.m. Wind NE (light)
at 5:00 p.m.

Bernard Harbour,
Dolphin and Union Strait, N.W.T.

July 11. (Tues.). Red-throated Loon — Two caught in gillnet near mouth of creek.

782. ♂ Gavia stellata.

783 ♀ " "

White-winged Scoter — Mr. Jenness, Sley and Patsy went over to the Fishing Creek in canoe and saw a flock of White-winged Scoters ("Turn-ra-vik")

Hoyt's Horned Lark — Several nearly full-grown young flying around the house.

Photo 3A —
(711)
3A-2. "Jennie" Kanaiyuk (Eskimo Girl). front view.

712. do. (rear view).

713. Kā'la (Eskimo girl, Puiblirmiut). front. 11 — $\frac{1}{50}$ — Dull sun. 4:00 pm.

714. do. (back).

715. do. "Jennie" Kanaiyuk and Kala. Vest Pocket.

716. Ikpukhuaq ♂, Higilaq, and adopted son.
11 — $\frac{1}{50}$ — 6.5 8:00 p.m.

717 — Ikpukhuaq (man) and Higilaq (woman) front.

718 — do. (rear)

 Bernard Harbour; Dolphin and Union Strait, N.W.T.

July 12 (Wed.) Clear. Wind light; variable — East, Southeast and northeast. Calm in evening. Loading ship all day. Took a number of farewell photos around the station. The vessel is practically loaded, with exception of bedding of people, and the dogs.

3A. photos
719. ~~House~~ (C.A.E. Bernard Harbour) with flags. 8 - 1/50 - B.S. 8:00 pm.
720. do. at another angle.
721. " " " "
722. " from End.
723. C.G.S. Alaska in harbor (loaded).
724. do.

Vest Pocket Kodak.
725. C.G.S. Alaska in Bernard Harbour.
726. Corporal W.V. Bruce and G.H. Wilkins.
727. Alaska in harbor.
728. Corporal W.V. Bruce, R.N.W.M.P.
729. Geo. H. Wilkins.
730. J.E. Hoff. Engr. "Alaska".
731. Annie Fitzgerald and Georgie Anike.
732. Anemometer.

Bernard Harbour,
Dolphin and Union Strait. N.W.T.

July 13. (Thurs.). Rain began at 12:30 p.m., and at intervals all afternoon. Calm in afternoon and evening. Partly overcast, sun shining at 8:30 p.m.
Finished loading ship in afternoon. Packed all the stuff which we are leaving, miscellaneous odds and ends which are of some value, and stored them in the East room of the house, together with the provision cache which we are leaving. The only Eskimos here now are old Ikpukhuaq, with his family. They have made arrangements to work for Mr. Girling, and have agreed to take care of things here until Mr. Girling's vessel comes in. Left a letter in the house telling Mr. Girling what had been left, also authorizing him to use the house, etc. unless wanted further by Expedition parties, in consideration of taking care of the Expedition cache.

Bernard Harbour.
Dolphin and Union Strait, N.W.T.

July 13. (Thurs.). Original amount placed in cache at Bernard Harbour house, for possible use of parties who might come down from the Northern Party of the Canadian Arctic Expedition:

Rolled Oats, 20 cases,		1000 lbs.
Man Pemmican 5 "		250 "
Dog Pemmican 5		250 "
Lard 4 "		240 "
Sugar, 4 cases.		200 "
Horlick's Milk Tablets, 1 case		12 "
Condensed Milk 1 case.		
Cracklings, 4 cases		200 "
Tea, 1 small case		5 "
Molasses, 1 case, 10 gals.		
Dehydro Cranberries 1 case.		
Tobacco, Navy Five		20 lbs.

Added to above an additional amount today, as we have not space to carry it even as deck load.

Rolled Oats 22 cases,	1100 lbs
Dog Biscuit, 2 "	100 "
Cracklings 5 "	250 "
Dehydro Onions, 1 case.	

July 13. (Thurs.). Finished loading schooner and sailed out of the Harbour at 7:30 p.m. 26 persons on board, 11 white men and 15 Eskimos. Arrangement on board:

Cabin:

~~Starboard~~	Port bunk.	Center.
J.H. Wilkins	F. Johansen	R.M. Anderson
J.J. O'Neill	J.R. Cox.	
J.E. Hoff.	C.D. LaNauze.	
W.V. Bruce,	Patsy Klengenberg.	
Mike.	D. Jenness	

Pilot house — Capt. D. Sweeney, Mrs. Sweeney

Forward: J. Sullivan (cook.

Adam Uoyuak; Ikey Bolt (Angatitsiak); Ambrose Agnavigak, Mungalina; Silas Palaiyak.

Tent on main hatch: Unalina, Annie, Georgie, Maggie, and Sis.

"At large on deck." Siniksiak and Uluksak (prisoners).

Bernard Harbour,
Dolphin and Union Strait, N.W.T.

July 13. (Thurs.)

Dogs taken:

Jack (leader)	Prince.	Friday,
Buster.	Jumbo (leader).	Saturday, and
Denby.	Tellurik.	5 large pups.
Doc.	Ata.	Bitch and 4
Koningok	Rat.	small pup.
Ekallukpiak.	Tutabek.	

(Bob, Caruso, and two of Mr. Jenness' dogs were left with old Ikpukkuaq.)

Decided to have one man from the scientific staff on duty all the time as officer of watch. Drew numbers for hours, as follows.

8:00 p.m. to 12 midnight.	F. Johansen.
12:00 midn. to 4:00 a.m.	G. H. Wilkins
4:00 a.m. to 8:00 a.m.	D. Jenness
8:00 a.m. to 12:00 M.	R. M. Anderson.
12:00 M. to 4:00 p.m.	J. J. O'Neill.
4:00 p.m. to 8:00 p.m.	J. R. Cox.

The Eskimo boys divided into two equal watches.

July 13. (Thurs.). Passed out through channel just west of Chantry Island, and followed lead about 1/4 mile off shore from Chantry Island, anchoring behind the first long point west of Bernard Harbour, at 8:45 p.m. Calm. Apparently there is much water to the westward, but we can not get through the ice to get into it. However, we are loaded up, and have got out of the narrow harbor entrance, in no danger of being shut in by ice backing into the harbor again with another Easterly wind. The next easterly wind should give us a clear run to west of Cockburn Point anyway.

Seal. — Palaiyak shot a seal in the water with .22 pocket rifle.

		L.	T.	H.F.
784. ♀	*Phoca hispida*.	$54\frac{1}{2}$"	– $6\frac{1}{2}$"	– 12"

The seal sank about 1 minute after being shot, in 8 ft. of water, but they could see her on the bottom and hooked her up. A finely mottled specimen. Skinned it.

Bernard Harbour,
Dolphin and Union Strait, N.W.T.

July 13. (Thurs.) Glaucous Gulls - a few seen.
King Eider - Saw numerous flocks of males going west, in bunches of 12 or 15.
Jaeger (Pomarine ?) - one going East off the point.
Calm until 10:00 p.m., then a very light breeze stirred from SW. soon shifting to North, and then East.

July 14. (Fri.). Very faint, variable airs around midnight. Clear night. Thick fog towards morning, but clear again at 7:00 a.m. Light NW breeze, which gradually freshened during forenoon and blew pretty stiff around noon. Ice outside of the point moving steadily to East all morning.
Glaucous Gulls - a few seen.
King Eider - a few flying.
White daisies (yellow center) in bloom

Bernard Harbour,
Dolphin and Union Strait, N.W.T.

July 14. (Fri.). Hudsonian Curlew – Bruce saw a pair a little way inland, near where he saw a pair the other day.

Baird's Sandpiper – F. Johansen brought in a nest with four eggs, taken back a little way from the coast.

Bearded Seal – One came up about 50 yards from ship, and swam back and forth, putting the head and neck out of water in a very inquisitive manner.

July 15. (Sat.). Cloudy. Westerly gale all night. Ice travelling east steadily all night and closing in on our anchorage after 4:00 a.m. Got under way about 7:00 a.m. and passed the point. Clear open water to Eastern side of islands off Cockburn Point. Ice pretty solid in Strait outside.

 Cockburn Point,
Dolphin and Union Strait. N.W.T.

July 15. (Sat.). Pi hū mai lerk'si ak is said (by Ulucksoaq), to be the name of the largest (outermost) island off Cockburn Point, where the most of the Eider Ducks are nesting. Anchored on East side of island, as ice was too heavy to pass the point of the island.

Bearded Seal - Saw one.

Went ashore on the island, to take some pictures.

Pacific Eiders - Saw several flocks of males along the edge of the ice. The female Eiders usually sat closely on their nests, although some waddled down to the water, and swam out to ice cakes. Took photos (Graflex) as follows.

733. Pacific Eider. f/4. 3/4 3- f11. Cl. 8 a.m.
734. ♀ Pacific Eider on nest.
735. ♀ " " in water.
736. ♀ " " flying from nest.

Cockburn Point,
Dolphin and Union Strait, N.W.T.

July 15. (Sat.)

737. ♀ Pac. Eiders in water. $\frac{3}{4}$-2. f11. Cl.
738. ♀ " " on ice floe. $\frac{3}{4}$-2 f11. Cl. 8^{30} a.m.
Saw Pac. Eider's nests n/4, n/5, n/4, n/1, n/4, n/1, n/4. Female Eiders sat very close, sometimes until I was within 2 feet of nest.
739. Nest Pac. Eider N/4. 1½-4. f16. Cl.
740. Pac. Eider on nest (at ca. 10 feet) $\frac{3}{4}$-2. f11. Cloudy. 9:00 a.m.
741. do.
742. Nest Pac. Eider. N/4. $\frac{3}{4}$-2 f11. Cl.
743. ♀ Pac. Eider on nest. $\frac{3}{4}$-4. f11. Cl. 9: a.m.
744. do.
745. do. (on nest at 10 ft.; 2 eggs in nest.
746. do (same nest, after bird had flown).
747. spoiled film.
748. ♀ Pac. Eider on nest (among driftwood).
749. Same nest N/4.
750. ♀ Pac. Eider on nest in dry kelp bed among rocks. 9^{30} a.m.
751. Same nest $\frac{N}{2}$.
Saw two more nests near here. n/4, female flew. n/3.

Cockburn Point,
Dolphin and Union Strait, N.W.T.

July 15. (Sat.).

~~752~~. Pacific Eider N/4, and another broken egg near nest, probably broken by Gulls or Jaegers.

752. Pac. Eider N/6. 3/4-2. + 8. Cl. 10^30 a.m.
There was another nest 4/4 about 5 ft. away.

753. Bunch of yellow flowers growing on a small wet spot on island. (Cineraria or Pediatis); leaves and stems very pubescent. Very few plants on this stony island.

754. ♀ Pac. Eider on nest.
Pacific Eiders – five nests n/3 n/3 n/1 n/1 n/2, within ten feet of each other. The ♀ Ducks remained on nests until I was within 10-15 feet of each nest. Four nests n/1 n/2 n/4 n/5, within ten feet of each other in a rockpile.
N/4 N/4 N/5 N/5, N/3 N/4 N/5 N/3.

Arctic Tern – About a dozen Arctic Terns flying about a low rock terrace near outer end of island; and very

Cockburn Point.
Dolphin and Union Strait, N.W.T.

July 15 (Sat.). demonstrative as we approached nests
755. Arctic Tern striking Mr. Hoff on head while near nest! $\frac{3}{4}$-2. f11. 10:30 a.m.
756. Arctic Tern's nest. $\frac{73}{2}$. Nest on flat low ledge of dolomite near head of island.
757. do.
758. Arctic Tern on nest. at about 15 ft.
759. " " " " " " 15 ft.
760. " " " " " " 10 ft.
$\frac{3}{4}$-2. f8. Cloudy.
761. do 1½-1. f8. Cloudy. 11:00 a.m.
762. Arctic Tern's nest. $\frac{74}{2}$. Nest made of small white bits of limestone.
Arctic Tern $\frac{73}{2}$ about ½ incubated
" " $\frac{74}{2}$ " " "
765. Arctic Tern. $\frac{3N}{2}$. Incubation advanced. 1½-1. f16. Cloudy. 11:00 a.m. Nest on gravel at edge of beach terrace.
Pacific Eider – $\frac{N}{3}$ $\frac{N}{3}$ $\frac{N}{2}$ $\frac{N}{4}$ $\frac{N}{5}$ $\frac{N}{5}$ $\frac{N}{3}$ $\frac{N}{4}$ $\frac{N}{2}$ $\frac{N}{3}$ $\frac{N}{7}$. $\frac{N}{4}$.
763. Pac. Eider 75/N7. 1½-4-f8. Incubation Begun
Took only one set of Pac. Eider's eggs

Cockburn Point,
Dolphin and Union Strait, N.W.T.

July 15. (Sat.) 764. Pac. Eider (another nest of 7 eggs)
1½ - 4 - x 8. Cloudy.
Pac. Eider. $\frac{N}{4}$, $\frac{N}{5}$ $\frac{N}{1}$ $\frac{N}{7}$.
$\frac{N}{4}$ $\frac{N}{5}$ $\frac{N}{5}$

Old-squaw — Saw female Old-squaw in small pond on island.

Parasitic Jaeger — one was chased all around the island by Arctic Terns. One shot by Patsy K. Ovaries small.
785. ♀ Stercorarius parasiticus.
786 Arctic Tern. ♀ S. paradisaea. Ovaries small.

Photo 766. Cockburn Point — outermost island (Pihumailerksiak), from east side.
767. KA Working through ice, near Cockburn Point. 16 1/50 — Bullseye. 4:00 p.m.
768. V.P. do. 16 — 1/50 — D.S.
769. 3A — do. 11 — 1/50 — D.S. 7:00 p.m.

Pacific Eider — Total number of nests counted on island — 54 nests, 198 eggs.
$\frac{5}{1}$ $\frac{6}{2}$ $\frac{9}{3}$ $\frac{21}{4}$ $\frac{10}{5}$ $\frac{1}{6}$ $\frac{2}{7}$ The small numbers of eggs in the nests are probably

Cockburn Point,
Dolphin and Union Strait, N.W.T.

July 15. (Sat.) due to being mostly second sets, as most of the nests on this island were robbed by Inspector La Nauze on June 27th.

Moved a little in afternoon just outside of point of island, where some large ice cakes were grounded. Tied up to grounded ice and took on about 100 gallons of fresh water from a pool on the top of the ice. Loose ice is fast moving East, filling up the clear space behind us.

Seals - several seen on ice.

Got under way again about 3:45 p.m. and worked through about ½ mile of rather loose, floating ice, and into open water ahead. All open ocean to west, with rather heavy swell. Only a little strip of ice along the coast.

Rather heavy swell from North West. Thick fog set in about 8:30 p.m. and wind lowered somewhat

July 15. (Sat.) Went rather slowly westward from Cockburn Point, against head wind which caught at deckload, and against strong current also setting to Eastward; probably we were not going faster than 3 miles per hour. Wind hauled more to north Eastward about 11:00 p.m. (by our compass) and we made better time. Made out land on port side about 5 miles away, looking like East Wise Point cliffs — two points.

Followed steadily along coast, about 6 miles off; rather hazy fog. +38° at midnight.

July 16. (Sun.) Sun came out for an instant on the port bow in the morning showing that our compass had put us some distance off true course. 6:48 a.m. log 23.4. Turned about more and headed west. +38° at 12:00 m. Fresh westerly wind and heavy swell

Dolphin and Union Strait.

July 16. (Sun.) Kept on about west true for a while, but as swell seemed to be getting stronger, headed more to SW, to get waves more to starboard. Considerable seasickness on board. Sighted land to southward about 11:00 a.m. The shores of Victoria Island, for a long stretch, visible until noon (when I turned in), having been up since 9:00 p.m. last night.

Glaucous Gulls - occasionally seen.

Seals - a few seen in open water.

Foggy at intervals during the night.

Mrs. Daniel Sweeney gave birth to a son, Daniel Sweeney Jr., at 10:40 a.m., after about 1½ hrs. labor. She was up again in about an hour.

 East of Wise Point,
Amundsen Gulf.

July 17 (Mon.) Foggy at intervals during the night. Struck great masses (fields) of heavy old pack ice, and tied up to it about 1:45 a.m.

Clear sunshine at 2:00 a.m. Light southwesterly breeze. Sounded near the ice pack we are tied up to, but found no bottom. As our ice-pack was found slowly moving, we moved and tied up closer inshore.
Moved again in about an hour and tied up to pack ice about a mile outside of low point, about 5 miles East of the most Eastern Wise Point (dolomite) Cliffs.

+27° at 2:00 a.m. +29° at 4:00 a.m.
+30° at 5:00 a.m.

Pomarine Jaeger – one flew over.

Seals numerous in water, near the large ice floes.

Let the dogs loose for a run on the large ice field.

East of Wise Point.
Amundsen Gulf.

July 17. (Mon.)

3A 770. Dogs on ice 11 - 1/50 - B.S. 6:00 a.m.
771. Uluksoaq (Eskimo) on ice.
772. Dogs on ice.
773. do.

Tied up to ice until afternoon, but as ice was slowly drifting to the Eastward, we decided to run in shoreward to try to find a little shelter behind East end of Young Point. Johansen sounded 25 fathoms about 2 miles off shore, about north of Young Point. Bottom temperature (average of 3 soundings) -1.5 Centigrade. Water kept deep until we were within 300 yards of beach - "no bottom at 10 fathoms". Then we could see the smooth rock bottom, with little patches of loose stones here and there, gradually shoaling up in little steps or terraces where the rock strata had broken away. The same rock exposed above beach line (yellow dolomite).

July 17 (Mon.) Land near beach almost entirely barren, covered with small angular pieces of broken dolomite. Water very clear right up to the beach.

Seals – Seals numerous. Several came near ship, in about 2 fathoms of water, 100 yds. from beach. I could watch them from the masthead, swimming under the water. They often could be mistaken for a large Trout, looking from the side, swimming by undulating the back part of body; but looking from the rear, one can see the two hind flippers moving rapidly at either side.

Ice began to move in shore again, moving in a little eddy inshore and we moved out about a mile, tying up to a big cake of ice in ~~4~~ 2 feet of water, apparently grounded, but swinging around a little.

+43° at noon.

July 17. (Mon.) Bright sunshine all day. Wind very light, but variable—W., SW., S., NE., and West.

King Eiders—a few male King Eiders flying. One flock of five female Eiders flew west.

Pacific Loon—saw one in the water.

Glaucous Gull—two or three seen.

Herring Gull(?) One gull seen, with black-tipped-wings.

Bearded Seal—Saw one on ice for a long time, about 300 yards from the schooner.

Common Seal—Saw several lying on thin, low spots in the pack ice.

July 18. (Tues.). Thick fog during the night, and foggy at 6:00 a.m. Fairly strong NW wind. Did not shift our position during the night. In the morning, the ice began to move more, and we ran to the eastward two or three miles but could find no shelter as all the little bights are open to the Northwest. Ran back behind the point where we came in yesterday morning. There was a little clear water just behind the point. Ice soon closed in outside and behind us. There is a broad lead of open water 2-3 miles to the northward, but we can not get into it. Ice began to crowd us, and just before noon we ran ahead 400-500 yards to get behind some large grounded ice-cakes, but ran ship aground. Tide began to fall and left us aground hard and fast on the rock bottom.

July 18. (Tues.)

Yellow-billed Loon — three flew over and circled above us twice during the day.

Old-squaws — a few flying.

King Eiders — a few males flying

Semipalmated Plover — F. Johansen saw a pair on the land. One shot.

807. ♀ Ægialitis semipalmata.

Caribou — F. Johansen said he saw fresh Caribou tracks around a small lake, a short distance inland.

O'Neill, Johansen, and LaNauze went ashore for a little while. They reported the land very barren and stony, with some small lakes (most of them nearly dried up.

J. J. O'Neill found some fossil corals (?) in dolomite exposures near beach here.

Tide fell very rapidly in afternoon and left us grounded in about 4 feet of water.

Young Point, Amundsen Gulf. N.W.T.

July 18. (Tues.). Tide began to rise about 6:00 p.m., and we floated up and kedged the vessel off about 8:45 p.m., moving up and tying to another grounded cake of ice. We tie up by running alongside of the ice, and jumping out with a boat anchor or grappling hook which is engaged in a ridge or crack or a hole chopped in the ice. Wind very light, shifting to southwest and south. Ice began to move off shore a little and we moved ahead about a mile about midnight. The bay between here and Wise Point bluffs is packed full of ice.

A few snowflakes falling at 9:30 p.m.

July 19. (Wed.). Cloudy at 3:00 a.m. Light SW wind. Ice gradually moving off shore a little. Wind shifted to NW again and the ice began to come inshore again. The big ice-cake we were tied up to began to shift with the rising tide and we had to move about 6:00 a.m. The smooth rock bottom does not allow the ice cakes to ground hard and fast as they do in sand and mud bottoms farther west. When the tide rises the ice-cakes slip, slide, and swing, and ultimately float and move away.

+37° at noon. Tied up to big ice cake all day. Snowing at intervals all forenoon. Cloudy all evening and somewhat foggy.

Seals — saw numbers on top of the ice fields drifting slowly by; six seals together all forenoon. Saw 23 seals in sight at one time. Numbers also stick their heads up in open water.

July 19. (Wed.)	One Seal shot in water near ship, and recovered, a young male.
	787. ♂ *Phoca hispida*. 38½"–6"–8½"
	Herring Gull – one seen on rocks near beach.
	King Eider – a few flying.
	Old-squaw – Occasional small bunches of four or five flying around.
July 20. (Thurs.)	Snowing thickly at 6.00 a.m. and melting as it fell. +32.5 at 6.00 a.m. Very light NW wind. Ice rather loose and slack inshore, but it looks continuously white out to seaward. Raining pretty steadily all day. Wind shifted a little more to northward in the evening.
	Herring Gull – one seen.
	Eiders – a few flying west in forenoon.
	Seal – one small seal killed and brought in.
	Bearded Seal – one killed but it sank and was not recovered.

July 21. (Fri.). Slight rain at 6:00 a.m. Light NW wind. Ice still moving fast. The big ice ridge outside of us began to shift shortly before noon, and we had to move several times, finally tying up to another grounded cake in 20 feet of water about 100 yards off shore.

+35° at 8:00 a.m. Sky cleared up in afternoon and sun shining a little.

Pacific Eiders - large flocks flying west.

Mr. Jenness found two old Eskimo graves, with skull, copper fish spear, muskox horn cup, sealing tools. Many old stone caches on shore here. No Eskimos have been living this far west for some time.

July 22 (Sat).

Cloudy. Very light westerly wind at 6:00 a.m., almost calm. Slight fog. Capt. Sweeney was sure that there was a lead of open water off shore, and we pulled out at 6:30 a.m. The ice was rather slack near shore, and we maneuvered through it, finding some long rather narrow leads running off shore. The ice became more dense as we got out about a mile, and we could not get through it, so we ~~came~~ turned around and came back to shore again, to avoid getting pinched in the moving floes. Tied up to another grounded cake about 500 yards farther East than we were before. There seems to be a wide lead of open water about two miles out, with heavy floe ice on the north side of it, except to the NE, where it looks open.. This lead closed up quite a bit in the afternoon.

July 22. (Sat.) About 11:30 a.m., at high tide, our big cake began to move off and we had quite a bit of trouble working through moving and grinding ice-blocks to another place to tie up to.

Snow Buntings – Two or three seen on the beach.

Herring Gull – one seen.

Long-tailed Jaeger – two flew over.

Seals – Numbers seen.

Very light NW wind in early morning, increasing after 7:00 a.m., and barometer falling. Fog in forenoon. Wind lowered towards evening, and sun shining a little.

Ice opened up a little off-shore, and we cast off at 6:50 p.m., running about about 1½ miles through loose, slack, floating ice-masses, into a broad lead of open water outside.

July 22. (Sat.) Followed the open water lead west, parallel with the shore, three or four miles out; about abreast of East Wise Point cliffs at 10:00 p.m.; ice both inshore and offshore, with scattering strips of loose ice here and there in the open lead.

+35° at 9:00 p.m. light NW wind; sun shining.

July 23. (Sun.) Sunshine during early morning hours. Ice from one to three or four miles wide in strip all along the coast. We were abreast the "Atkore" station at 4:00 a.m. (about 10 miles W. of Clifton Point) and could see the house and the vessel on the beach. There was a strip of solid ice a mile or two broad all along the shore here, so we could not go in. The ice is apparently shoved up on the beach in large quantity.

Abreast of Croker River at 6:00 a.m.

Croker River to DeWitt Clinton Point, N.W.T.

July 23 (Sun.) The strip of shore ice less broad at Croker River; some water visible in river.

Fog came in pretty thick about 7:00 a.m. Scattering ice all along. Fog cleared away about 9:00 a.m., and we found we were about 4 or 5 miles NE of the low conglomerate cliffs near Buchanan River. Shortly afterward the high "mesa" landmark west of DeWitt Clinton Point showed up. We were abreast of DeWitt Clinton Point at 12:00 m. Very little ice; heavy swell running.

Polar Bear – passed one swimming in open water, about two miles off shore.

Long tailed Jaeger – one flew over.

Herring Gull – two or three seen.

About 3 miles west of "mesa", at 2:30 p.m. saw a small vessel ("El Sueño" probably) close in shore. She made no signal

July 23. (Sun.) Passed Deas Thompson Point about 5:00 p.m. Very little ice; only an occasional loose cake.

(174) Photo 3A-(W) West side Deas Thompson Point, N.W.T. 8-1/30-Bright sun. 5:00 p.m.

Yellow-billed Loon- Saw one flying over, off DeWitt Clinton Point.

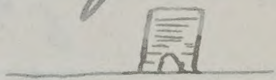
Red-throated Loon- saw one flying over, near DeWitt Clinton Point.

Passed Keats Point.

Reached Pierce Point harbour, about 10:30 p.m. Found Captain Christian Klengenberg here with his family, and whaleboat, looking for his son Patsy, whom we had on board. Klengenberg had with him his wife, daughter Edna, son Andrie, and two or three smaller children. Two Alaskan Eskimo men are here also left behind by the "El Sueno", which has gone east. with Capt. Alex. Allan. Allan has his wife and one or two white men with him.

Pierce Point, Amundsen Gulf. N.W.T.

July 23. (Sun.) Herring Gull – There is a gull rookery on the larger of the three islands NW of harbour entrance. Patsy Klengenberg says that there are ruins of old Eskimo houses and graves on the other (larger) island. Large gull rookery on the high arched rock island – in



entrance to Pierce Point harbor. The island is about 30 ft. high, with vertical sides, but Patsy says that one can climb up on the inner side. Several gulls sitting on top of the island, Herring Gulls, some with much darker backs than others, perhaps Glaucous-winged Gulls.

My 6X ~~[illegible]~~ Busch binoculars were lost over the side just before leaving the harbour, but we could not fish them out. Capt. Klengenberg wanted a tow to Cape Parry or Baillie Island, so we took a line from his whaleboat. Steamed west from Cape Lyon about 11:30 p.m.

Darnley Bay – Cape Lyon to Cape Parry.

July 24. (Mon.)

Steamed west from Cape Lyon about 11:30 p.m. (23rd). Sun nearly obscured at midnight by clouds coming up, and not seen again until after 6:00 a.m. when it was seen to glimmer faintly through thick clouds. Wind very light after midnight, until 6:00 a.m., when it freshened again from N.W. + 37° at 6:00 a.m. Scattering patches of ice all the way across Darnley Bay.

Seal – Saw one seal about five miles from Cape Parry islands at 6:00 a.m. about 3 miles south of the point. No seals seen while crossing Darnley Bay.

Turned course north to round Cape Parry as Mr. Cox did not think the weather promising for an observation here this morning. Sun came out brightly before we got around, and we anchored just east of point

Cape Parry, N.W.T.

July 24. (Mon.)

Glaucous Gulls – a few seen at Cape Parry.

Herring Gulls – numerous; some with very narrow white fringe to dark on wings, and small black tips: others with extensive area of black on wings. (See next page)

Photos. Vest Pocket.

775-6-7-8-9-780-781-782 Islands 3 miles south East of Cape Parry. Pinnacle islands, arches, etc.
6 – 8 – dull sun

783-4-5-6-7-8-9. East side of the tip of Cape Parry, N.W.T.

790. D. Jenness on deck of "Alaska".

791. Gulls near schooner. Cape Parry.

792 Cape Parry. (East point) from mast-head of Alaska.

793-794-795. Cape Parry, near Mr. Cox's observation point and cairn.

From masthead of "Alaska":

Cape Parry, N.W.T.

July 24. (Mon.) Herring Gulls — numbers of the black-tipped winged Gulls along the beach. Sent Patsy ashore with observation party to get some specimens. When they got ashore, the Gulls came out near the ship in large numbers, but I did not shoot any as there was no canoe on board to pick them up. Patsy did not succeed in getting any ashore, and when the canoe came aboard the Gulls had drifted down the bay.

Mr. Cox got an observation time sight with transit and built a little stone cairn on the spot — a high bench just East of the Easternmost point of Cape Parry.

One of the large (nearly full grown) black pups suddenly went crazy, chained in the dory with several other dogs. He snapped blindly at men and dogs, frothing at the mouth. With some difficulty I unbuckled his collar, got him by the

Cape Parry, N.W.T. — Franklin Bay.

July 24 (Mon.) scruff of the neck and managed to heave him over the side. O'Neill missed three shots at him in the water, with Ross .280, and the dog swam around the point and got ashore. Capt. Klengenberg claimed that the dog was not really mad; that dogs sometimes go temporarily crazy on account of constipation. He said he would come back there in a few days and take the dog if he could find him well.

Semipalmated Plover — Patsy shot one.

Hove anchor 8:55 a.m.

Abreast east end of Big Booth Island at 10:30 a.m. Log. 9.7 miles since leaving Cape Parry. At 11:55 log. read 17.6 miles.

Took tank full of fresh water from top of large ice mass about 5:55 p.m. in Franklin Bay.

Log. 51.6 miles at 6:00 p.m. West of Smoking Mountains: cliffs smoking for several miles along the coast.

Franklin Bay - Cape Bathurst.

July 24. (Mon.) Log 58 miles at 7:00 p.m. Opposite Whale Bluff (Trail Point) about 15 miles off shore. Passed occasional scattered bits of broken ice.

Anchored inside of Cape Bathurst sandspit at 10:05 p.m.

Schooner "Rosie H." is grounded near beach, inside of the sandspit. Capt. Klengenberg's scow-schooner is hauled up near it. Capt. K. Wolki spent the winter at ~~the~~ his house at the mouth of Horton River, and has not come up to Baillie Island yet. Mr. Tom Emmsley is in charge of the "Rosie H.," but ~~has~~ gone down the coast of Liverpool Bay to catch fish.

Went ashore to H.B. Co.'s house. Mr. Larson in charge. Post established and house built in 1915. One other white man here, Pete Norberg, recently arrived from Liverpool Bay

Cape Bathurst (Baillie Island), N.W.T.

July 24. (Mon.) Eskimos — Quite a village of Eskimos here now. Many families from the Mackenzie delta moved here last fall.

Arctic Foxes — Mr. Larson says that the Eskimos caught little fur here last winter.

Phalaropes (Red?) Saw two flying

Sabine's Gulls — numbers around the edges of the sandspit.

Arctic Tern — a few around point of Cape Bathurst sandspit.

White-winged Scoters — Saw a flock of five going west as we came near Cape Bathurst.

King Eider — several large flocks flying west today, mostly males, and a few females.

Pacific Eider — a few flocks of males going west.

+40° at 12:00m. Warm in afternoon. Wind hauled to westward, freshening a bit around midnight. Mr. Larson says the ice only went off to the westward yesterday from Cape Bathurst.

July 25. (Tues.). Wind hauled to SW in evening, freshening a bit around midnight, and blowing a gale from SW at 2:00 a.m., so that we had difficulty in getting the dory back to the ship against strong wind and current. We had to labor pretty hard to avoid being carried out to sea around the point of the sandspit.

Wind increased during night. Worse in forenoon. Strong current running out to NW.

Sick all day today, insomnia, headache, constipation, etc.

One of our Kogmollik dogs was killed today, fighting on the picket line ashore, where we put them ashore last night.

Gale all day, and heavy surf and breakers dashing over the sandspit in place east of the village. Wind very raw and cold.

Cape Bathurst (Baillie Island) N.W.T.

July 25. (Tues.) Such a sea was running that it was practically impossible to go ashore all day. Some of the Eskimos stayed ashore last night. We let the dory drift ashore this morning at end of a tow line, and hauled them back on board.

July 26. (Wed.). Cloudy. Weather moderating. Wind light from the east.

Fish — large numbers being caught today, both Whitefish and Herring in gill-nets set ~~up~~ out from the beach. One Herring (Clupea) was brought up in the "Alaska's" anchor chain. Several Herring were washed up on the beach.

Bearded Seal — Two or three were washed up dead on the beach.

Arctic Tern. — Corporal W. V. Bruce shot one. 8oz. ♀ Sterna paradisaea. Cape Bathurst, N.W.T.

July 26. (Wed.). Sabine's Gulls – many seen along the sandspit.

Sanderling – Numbers seen along the sandspit. Corporal Bruce shot three.

803. ♂ Calidris leucophaea – Cape Bathurst.
804. ♀ " " " "
80[illegible] ♀ " " " "

Pacific Eiders – Numbers flying west in large flocks.

King Eiders – Eiders flying west in large flocks. the flocks contain more King Eiders than Pacific Eiders.

Old-squaws – Numbers seen.

Black Brant – three flew over.

F. Johansen went up on the tundra at Cape Bathurst. He found many plants in bloom. He brought back a large bunch of the fragrant Phlox richardsonii.

July 26. (Wed.). Paid off Patsy Klengenberg in guns, ammunition, and stores; as near as I could filling a list of articles requested by him, in consultation with his father. Patsy is going east again with his father. Amount of wages due, $300.00, for 15 months. Paid in stores.

Paid off Mungalnia today. Amount due $202.75, after deducting advances made. Paid him in full in stores. He is going to stay here with Taulana, a relative of his.

Mey Bolt (Angatitsiak) changed his mind about going back to Point Hope, Alaska, with us. He asked to be paid off here so that he can go east again with Klengenberg. Paid him off in stores except for $118.00, for which I gave him two drafts on the Dept. of the Naval Service: No. 175. July 26 for $50.00
" 176 - " " " $68.00

July 26. (Wed.). Paid Betty Agnavik (wife of crippled John Augasinauk), one Wolverine skin which Capt. Stolleney got from her last year (for two specimens two Blue Foxes with skulls and legbones. Also gave her two 12-lb boxes of sugar and two files for putting soles on two pairs of long water boots and other sewing done last year for the "Alaska."

790. ♂ Arctic Fox (blue phase). From Betty Agnaorgak. Caught at Cape Bathurst, in December, 1914.

791. ♀ do. (blue phase).

One specimen was a clear bluish gray like a Maltese cat. The other had a sort of grizzled brownish cast.

Sailed from Baillie Island at 7:00 p.m. Weather quite clear. Sea rather smooth; some swell.

Phot. 796-797-798. Cape Bathurst (Baillie Island village.)

11 - 1/50 - Dull sun. 7:00 p.m.

July 26. (Wed.). Polar Bear — Saw a large Polar Bear swimming in the sea about 2 miles west of Baillie Island. We turned about 400 yards out of our course to run close to him and every camera on board (about a dozen) took snapshots of him. The Bear swam almost as fast as the ship went (about 6 miles per hour), and piled the foam up ahead of him, leaving a wake like a steamboat.

799 - 800 - 801. Vest Pocket photos — Polar Bear in the water.
11 - 1/50 - Dull sun 8:00 p.m.

Bowhead Whales — Saw several Bowheads spouting just off the NW end of Baillie Island.

Fog settled down towards midnight.

July 27. (Thurs.). Dense fog from midnight up to 8:00 a.m., after which it cleared a little so that sun was visible but we could not see far. Nearly calm in early morning, but breeze started up from SE, and freshened towards noon, causing quite a swell. Warmer.

Course SSW magnetic (about W true), keeping in deep black water, so we passed well outside of the "pensong ground" off Cape Dalhousie and Cape Brown. Lost the log-line indicator off the taffrail at Baillie Island, and the spare log is in the hold.

Slight fog all day, so that we never caught sight of land. Rain all evening. Fairly strong SE wind all day, and we carried foresail all day and jib in the afternoon and evening. +40° at 6:00 p.m.

Beaufort Sea.

July 27. (Thurs.). Eider Ducks. — Several flocks of Eiders flying west during the day, but so far away I could not tell whether they were Pacific Eiders or King Eiders.

July 28. (Fri.). Struck muddy water at midnight, showing that we were near the Mackenzie delta. Sounded "no bottom" at 7 fathoms. Occasional strips of broken heavy ice, and stringers of loose small ice, running north and south, so we had to deviate quite a bit to pass through them. Got soundings of 7, 4, 5, 6, and 7½ fathoms (7½ fathoms at 5:30 a.m.). Light NE wind, which hauled around to NW about 8:00 a.m., and freshened up quite a bit by noon.

July 28. (Fri.). Fog lifted up quite a bit about 8:00 a.m., and showed us to be about off King Point; Sabine Point astern and Kay Point about ahead.

Fog soon shut in again. Kept course WSW magnetic, and about 1:00 p.m. we saw Flanders Point bluff (SE end of Herschell Island) to our SW. +40° at 1:00 p.m.

Red Phalarope – saw one on the water; breast pinkish.

Herring Gull – a few seen.

Arrived at Herschell Island about 2:30 p.m. Police boat, Mr. Phillips, H.B.Co., et al. came out to see us.

Photo V.P. 7. (851) Sinnisiak (Eskimo).
V.P. 8. Boat coming out at Herschell Island.

The Hudson Bay Company's schooner "Fort McPherson" is here all loaded up, with Mr. W.G. Phillips

July 28. (Fri.). in charge, ready to start today to go in to Bernard Harbour, to establish a trading post. He has with him the Baillie Island Eskimo Tadjuk (alias "Jawbone") for an assistant. The "Fort McPherson" is coming back at once after unloading the stores for the new post. Rev. Mr. (E.) Hester, a Church of England missionary, who was at Kittegazuit (East side of Mackenzie delta) last year, is going in on the Fort McPherson for a preliminary reconnaissance, but is coming back on the Fort McPherson".

White men here:

Mr. Harding, in charge of H.B.C. post, and of Western Arctic district, H.B. Co.

Mr. Dawson, who came down the Mackenzie River buying furs for Capt. Louis Lane. He has 22 silver grey foxes. Lane is coming in on "Great Bear", a new boat.

July 28. (Fri.). Rev. W. Henry Fry, missionary, with his new wife.
Jim Nagle, late of Red River.
Peter L. Petersen, ("Kogmollik Pete.").
———————, trapper and prospector.
R.N.W.M.P. detachment: Inspector C.D. La Nauze received orders to remain in charge here the coming year.
Corporal W.V. Bruce.
Constable Scotty Lamont.

Clear p.m., after 6:00 p.m.
Long tailed jaeger. Saw one (black phase) circling around the harbor.
Pied lemming. Corporal Bruce caught one on the land.
789. ♂ Dicrostonyx sp. 108–9–14 mm.
With dark dorsal stripe.
Schr. "Fort McPherson" sailed for Bernard Harbour about 5–6 p.m.

July 29. (Sat.) Clear all day. Light N.W. wind. Worked all day, getting out stores and paying off natives.

Muskrat — Received an albino (creamy white) skin from Kenneth Mingaksak (Eskimo) caught in spring, 1916, in west branch of Mackenzie delta.

788. _Ondatra zibethica spatulata_ (Osgood). (albino).

Long-tailed Jaeger — one seen flying around harbor.

Seal — saw one in harbour.

Cloudy in evening. Rain 11:00 p.m.

Herschell Island, Yukon Territory

July 30 (Sun.) Cloudy weather, with intermittent sunshine. Light NW wind. Rather warm.

Did some work remodelling cabin of Alaska, by taking out upper bunks, and raising middle bunks, so as to give two tiers instead of three in 6½ foot space on either side.

Sweeney stowed most of the hold.

Had dinner at R.N.W.M.P. barracks.

Attended church services in R.N.W.M.P. barracks at 3:00 p.m. Archdeacon Whittaker conducted the services.

Sprinkles of rain at 10:00 p.m.

Herschell Island, Yukon Territory.

July 31. (Mon.). Cloudy at 6:00 a.m. Little wind. Sprinkles of rain. Rain all forenoon and most of afternoon. Pretty strong NW wind in afternoon, raising quite a sea. Wind moderated in evening. Clear in evening.

Worked on accounts of employees and others most of the day. Went ashore about 11:00 a.m. and settled with R.N.W.M.P.; statement of stores received and issued; also receipts for billetting Insp. La Nauze, Corporal La Nauze, and prisoners.

Loaded engine distillate on board.

Had Ambrose start repairing broken frame and gunwale of umiak.

Constable Lamont helped me check up C.A.E. stores remaining in R.N.W.M.P. warehouse and the old "Karluk Storehouse"; the bulk being in Karluk storehouse.

July 31, (Mon.)

Inventory of C.A.E. stores in charge of R.N.W.M.P. at Herschell Island. Y.T. July 31. 1916.

Rolled Oats	109	50lb. cases	5450 lbs
Sugar, Granulated	6	" boxes	300
" "	5	200lb "	1000
" "	20	100lb bbls	2000.
Dog Biscuit	12	50lb. Cs.	600.
Cracklings.	77	50lb. "	3850.
Rice, mostly brown;	56	50lb "	2800
Molasses,			16,000 lbs

1 Case of axes and picks.

1 " lanterns and globes.

1 bbl. Steel Traps #2 1/2.

1 large box books (property of M. Henri Beuchat)

1 Case of Paint Oil

1 Jacket of Hypo.

1 Coil of Sounding wire.

1 trunk bird skins, from Banks Island
1 " mammal skins " " "
1 bale Caribou skins " " "
Coll. by G. H. Wilkins. Taken out on "Alaska"
Shells not brought down from Banks Isl.

July 31. (Mon.)

Added to above from surplus stores of "Alaska"

Tobacco. T. & B.	112 lbs.
" Navy 5,	300 lbs.
Cigarette Papers,	21 boxes.

Rolled Oats, 5 50lb. casks.	250 lbs
Man Pemmican, (Underwoods) 17 50lb. case	850.
Dog Pemmican 4 50lb. cs	200.
Beef, salt. 1 100lb. bbl.	100.

1 Drum Methylated Spirits 10 gals.
1 Tripod (Surveying)
1 box miscellaneous scientific equipment addressed to V. Stefansson

	1,400 lbs
	16,000
	17,400

Taken from storehouse today, for C.G.S. Alaska,

700 lbs Brown Rice 7 sks.	
1 case Dog Biscuit (broken) 50	750
Amount left at Herschel Isl.	16,650 lbs

Herschell Island, Yukon Territory

Aug. 1. (Tues.). Cloudy morning. Rather warm. Light NW wind. Water tanks were emptied last night and we steamed out into the bay in morning and filled the 300-gallon ship's tank and one gasoline drum (100 gallons) with fresh water from top of large floating floe.

Finished loading and stowing ship, and paid the remainder of the Eskimo employes in full. Paid in stores as far as possible, and remainder in cash and drafts on the Department of the Naval Service. Discharged natives as follows:

Mike (Ass't Engineer) and his wife (named Sis).

Bal. due. Draft. 177. for $507.00

Remainder in goods at approx. cost

Ambrose Agnavigak and his wife Unalina. Bal. Cash $88.25

Aug. 1. (Tues.)

Adam Ovayuak, boy.
Balance cash $109.00. The remainder paid in stores issued.
Silas Palaiyak, in full for services with both Northern Party in 1915-1916, and Southern Party in 1914-1915.

Draft 178, (July 31).	$200.00	Bal. wages
" 179 - " "	188.00	" "

Left a letter with R.N.W.M.P. giving a list of stores and equipment which I asked to have sent up to Cape Kellett, Banks Island, for Northern Party, by any ship that happened to be going up that way, as follows.

Pemmican (man)	17 cases	850 lbs.
" (dog).	4 "	200 "
Cracklings.	20 "	1000 "
Rolled Oats,	6 "	300
Brown Rice	6 "	300 "
		2650.

1 Coil Sounding wire, ca. 100 lbs
1 box Miscell. Scientific Equipment
1 Tripod (Surveying), 1 case lanterns & globes
Mail for Northern Party.

Aug. 1. (Tues.) Goods to be shipped north, selected after consultation with Mr. Wilkins who was familiar with what the Northern Party has, and what might be useful to them.

Also left some letters with Pol. co. to be sent out by overland route. We may be caught going out around Alaska.

Settled with H. B. Co.

We were all ready to sail at 7:00 p.m., but breeze was freshening to strong and shifting from NE to NW.

Revised list of stores left at Herschell Island, Exclusive of stores set apart to be sent to Banks Isl.

Rolled Oats, 108	50 lb. cases	5,400 lbs.
Sugar, Granul. 6	50 lb. boxes.	300
" " 5	200 lb.	1,000
" " 20	100 lb. bbls.	2,000
Dog Biscuit, 11	50 lb. cases	550
Cracklings, 55	50 lb. "	2,750
Rice, mostly brown, 36	50 lb. "	1,800
Beef. 1 bbl.,	100 lb.	100
		13,900 lbs.

[The goods set apart for Banks Island, were delivered at Cape Kellett by S.S. Herman, in August, 1916.]

Herschell Island, Yukon Territory

Aug. 2. (Wed:) Cloudy. Strong North wind. +50° at 11:00 a.m. Sun shining faintly. Fog at intervals all day. Wind shifting from North to west, and fairly strong.

Photo V.P. to F. Deck of Alaska.

11-1/50-Dallmeyer, 11 a.m.

Received mail, letters, and packages, to go out, also telegram to be sent from Nome for Inspector La Nauze. He gave me $1.00 for postage. Rec'd two letters and one package from Mr. Harding, H.B. Co., to be mailed at Victoria, B.C.; also letters from Mr. Whittaker to be mailed.

Men still left on board "Alaska" for passage out

Daniel Sweeney, sailingmaster; J.E. Hoff, Engineer; Jas Sullivan, cook; Scientific staff, J.J. O'Neill geologist, J.R. Cox, Topographer, D. Jenness, Ethnologist, F. Johansen biologist; Geo H. Wilkins, photographer, and Rudolph M. Anderson, Zoologist in command.

Herschell Island, Yukon Territory.

Aug. 3 (Thurs.). Clear at 6:00 a.m. Very light North wind. Sun shining. Hove up anchor at 7:10 a.m. and steamed west from Herschell Island.

Watches assigned as follows:

1st Watch.	2nd Watch.
R. M. Anderson	J. R. Cox.
G. H. Wilkins	J. J. O'Neill
D. Jenness	F. Johansen

Watches 6 hrs. long. 6 to 12:00 - changing after meal, the new watch getting meals just before going on. Not much ice in the immediate vicinity of Herschell Island.

802. 3A.1. North side of Herschell Island. 11-1/50-B8. 8:30 am. Exposed for me by F. J.

803. do.

Engine stopped with a hot bearing from 9:25 to 10:15 a.m. about abreast of Nunáluk. There was a heavy

Aug. 3 (Thurs.) strip of ice running off shore to NW, west of Nunáluk, so we ran back about a mile and inside of the ice strip, so that Captain Sweeney's wife Eunice could be landed at Kámarkak, about 30 miles west of Herschell Island, where her parents are supposed to be.

Anchored near beach at rack at Kamarkak. One native tent here. Landed Mrs. Sweeney's stuff here, (purchased by Sweeney, and deducted from his account). Anchored for a while, then moved up to the next point. Several Eskimo tents there.

Bought about a dozen Whitefish from Gallagher Arey (Whitefish and Salmon Trout) for tobacco; 9 fish for 2 dog chains; puck of dry fish for Calico.

The people here are waiting for an old man (Grandfather of ———) to die any time; but they seem to think he is pretty sure about

Aug. 3. (Thurs.). dying, as he has kept them in suspense for several days.

Got box containing a number of bird skins from Aiyakuk, who was working for Mr. Jemess at Barter Island during the summer of 1914 and put up some skins for us that summer. He and his family in the late winter of 1915 went across the Endicott mountains (up the Turner River?) and down the Salmon River, spend the summer there (1915). (Received two notes from him at Herschel Island; one dated Jan. 17, 1916; and one April 20, 1916). In letter of Jan. 15th, 1915, he states;

that he was going to other side of mountains this winter to stop there until next summer

Caribou — Aiyakuk states that he caught 18 deer (caribou) last summer (somewhere on northern Cross

Aug. 3. (Thurs.) of Alaska; probably inland from ~~Barter Island~~ Collinson Point for Barter Island, where he was in July 1914.) — ~~[struck]~~ He says the Nunatamiut (Inland Eskimos) got plenty of Caribou this winter. They were so plentiful they quit shooting them. (Letter dated Herschell Island, Y.T., Jan. 17, 1915.)

Dall's Mountain Sheep — In a letter Aiyakuk states (Jan. 17, 1915, Herschell Island) that he killed 18 Caribou and about 25 Sheep last summer (1914).; (probably on one of rivers between Collinson Point and Barter Island, Alaska).

Specimens received from Aiyakuk.

792-793. 1 and 2. Hawk Owl: Surnia ulula caparoch.

"December 21th, 1915. Ami atka Niakooktoarok akgoony Noonami Naragaiknui Navicka."

[Noraraq = creek a little ~~east~~ south of Itkilik R.

Naqsragiaq = name of hillside to Pekalu river, over

Aug. 3. (Thurs): the hill Nagsragiaq, inside of mountains divides the Pikalu and Kangikat rivers, (Kangikat is tributary of Turner River. [? Rma 4 or North west of Demarcation Point.] - D. Jenness].

794. ♀ 3. Robin Planesticus m. migratorius.

"June 1st, 1915. Kangikat river. Kooyapigakpatka. akuak. Okpiknuitoak soak sisamannik manilik topmagitka Kookure."

[June 1, 1915. Kangikat river, Y.T. (30 miles west of Herschel Island). Kooyapigak, name. Female. In a willow there were four eggs. I lost them on the river.

795. ♂ 4. Robin. "May 13, 1915. Kangitka [2]rover [3]tikiniarom [4]Taka [5]Kooyapikoak [6]angoon. [7]Silagiksot [8]Okpingni."

[Kangitka [2]river, [3]a tributary [4]Name (of bird) [5]Kooyapikoak (the difference between this and No. 3 is

Aug. 3 merely a variation in Aiyakuk's phonetic
(Thurs.) orthography). Male [6]. Fine weather. In willows.]

796. ♀ "Perisoreus canadensis fumifrons
5. September 12th. 1915. Ivevak
Koot. Kidzuk atka. Aknuaksaluk."
[September 12, 1915. Ivevak river, on south side of Endicott Mts. not far from Pikalu river. Name of bird Kidzuk (or Kīrrîk) = Alaska jay. It is a female.]

797. "P. c. fumifrons
6. "September 13th, 1915, Evevak
Koot. Napaktoot. Kidzuk atka."
[Sept. 13, 1915. Evevak (same as Ivevak) river. Spruce trees. Alaska Jay name. [Last summer Aiyakuk stayed near Fort Yukon, Alaska, and this was on his way back towards the mountains.]

798. Perisoreus canadensis fumifrons.
7. "August 27th, 1915. Pikalou
Koongoa. Kidzuk ami atka."
[Aug 27, 1915. Pikala river, a tributary of Salmon River, Alaska. Alaska jay name.]

Arctic coast of Yukon Territory

Aug. 3.
(Thurs.)

799.
8. "August 23th, 1915. Noolagiorak Kook. Kidzik atta tamna."
[Aug. 23, 1915. Noolagiorak, or Nulakiurak, river, a tributary of Pikalu river, south of Endicott Mountains, Alaska. Kidzik (Alaska Jay) atta (name) tamna (this one).

800
9. ♀ Lanius borealis. Northern Shrike.
" June 29, 1915. Saman Kook. aknatt."
[June 29, 1915. Salmon River, Alaska. Female]. Pass near Itkilik river, where Aiyakuk stayed winter 1915.

801
10. ♀ Gavia adamsi: Yellow-billed Loon.
"June 30th, 1915. tollik aknatt. ~~agnuk~~ No 4a mank. Saman Kook."
[Yellow-billed Loon. Female. No. 4. Egg. Salmon River, Alaska]

Aug. 3. (Thurs.) yellow-billed Loon.
1 Egg, rather badly cracked, with female parent.

"June 30th, 1915. No. 40 manik aknak toligom mamai navami. Saman kook."

"June 30, 1915. No. 40 An egg a female loon its egg. On a point [beside a lake, he said]. Salmon River. Aiyakuk."

· Lanius borealis. Northern Shrike.
" 1915. June 11. Pikaloo river. 4 eggs napaktomi itoat.
["1915. June 11. Pikalu river (south side of Endicott Mountains, across from Kangikat river). Four eggs. "In a spruce tree they were."]

Also received from Aiyakuk a large box of Archaeological specimens collected at Barter Island for Dr. Jenness. Paid him for these and for) skins — total lot, 30 boxes 30-30 cartridges

(Aug. 3.) (Thurs.) Sailed westward again from Kangeklak about 8:00 p.m. ~~F~~ Fairly open along coast, but considerable ice in small pieces. Thick fog set in about 10:00 p.m. and ice began to get heavier, so that we were involved in a maze of narrow tortuous leads among rather heavy ice, and we could not see very far ahead. Anchored in shore lead, in 2½ fathoms, near black earth bank, about 15 miles East of Demarcation Point.

Eider (King Eider?) – Saw female with small young swimming off shore near ~~Kangeklak~~ Kamarktak.

Yellow-billed Loon – Saw one flying over near Kamarktak.

Old-squaws – a few flying ~~[illegible]~~ around

Demarcation Point, 141st Meridian.

Aug. 4. (Fri.) Dense fog all night. Very light NW wind. Got under way 6:30 a.m., although we could see only 200-300 yards ahead. Worked through rather close and large ice, but found narrow channels through the ice everywhere. Passed M. Anderson's old "North Star" house at East end of Clarence Bay at 7:40 a.m., and entrance to Clarence Bay at 8:00 a.m. Sky cleared a little and sun became visible through fog haze. Tied up to ice about 500 yards from M. Anderson's old rack a little west of 141st meridian. Mr. Cox and Mr. Wilkins went ashore with camera's canoe and walked back about 3/4 mile to get a time sight with transit at the International boundary monument (141° W. long.).

Mr. Cox took my vest pocket camera and made four exposures for me.

843-844-845-846 Mr. Cox at Boundary Monument about 9:30 a.m.

Aug. 4. (Fri.) Arctic Terns – several flying overhead screaming.

King Eiders – Four or five males going west. Three females going East together.

Red-throated Loon – one seen.

Sailed west from the boundary monument at 10:00 a.m. Passed Duffy O'Connor's old place, at Demarcation Bay at 10:45 a.m. Saw several people on the shore. Passed Iglum's old place (Lookout platform with pole) about 11:45 a.m.

Passed Icy Reef – The Kangitak River shows much more land (the overflow glacier) than it had in 1914 (two years ago). The natives say that an ice mass always remains here all summer. The river cuts a channel through the ice.

Passed Humphrey Point – the old Polar Bear camp of 1913-1914, at 3:45 p.m. Saw several natives,

Aug. 4. (Fri.) on the shore here. Some of them were waving bunches of fox-skins, indicating a desire for us to stop and trade. Did not stop.

Abreast of Jago River sandspit at 6:00 p.m. Barter Island just visible ahead.

Arctic Terns — a few flying about and screaming around Jago River sandspit, East of Barter Island.

Pacific Eider — Two male and two female Pacific Eiders flying west, near Barter Island.

Wind about west at 7:00 p.m.

Small snowflakes flying, but sun visible. +32° at 7:10 p.m. Abreast East end of Barter Island. Saw Capt. Jos. F. Bernard's old house and rack with high pole, at east end of island.

7:00 p.m. Opposite island west of Barter Island.

Aug. 4. (Fri.)

Opposite mouth of Okpilak river at 8:30 p.m. Mouth of Hula-hula river about 3/4 mile farther west. Quite a bit of water flowing in each river now. Mouth of Okpilak River, landmark is number of ~~rounded~~ rounded dome-shaped mounds (pingōk, or pingōt of Eskimos).

Passed mouth of Salirochit River at 9:30 p.m. Wind SE fairly strong. Little ice within 5 miles of shore.

Opposite Collinson Point at 10:45 p.m. Saw two houses and high pole (Duffy O'Connor's flagpole). One house occupied by Southern Party of the Expedition 1913-1914. No people seen here now, although we passed within 1/2 mile of beach.

Headed across the bay west of Collinson Point, towards the point called Konganevik, about 10 miles west of Collinson Point. Some stringers of ice in bay. Tried to pass

Aug. 4. (Fri.).

between two long strips of ice which proved to be grounded, in middle of bay, about 3–5 miles off shore, at 11:30 p.m. Rather a heavy sea running from NE.

We were going at pretty good speed and bumped once or twice before we grounded. Shoal was rather broad, and bottom rather hard, although the propellor turned over mud and discolored the water. We tried to back out but were stuck too hard to move. The waves seemed to be pounding her on harder all the time.

Aug. 5. (Sat.) Cloudy. Rather strong NE wind. With some difficulty we ran out a cable with dory in pretty rough sea which nearly swamped the dory, it being down by the stern with heavy coil of rope. Made rope fast to big grounded ice cake and by heaving on winch turned ship around a little. Made some soundings. Then ran out kedge anchor and finally heaved the ship off at 2:45 a.m., and ran well out to sea to the NW to avoid the end of the shoal.

Abreast of Flaxman Island (Mr. E. de K. Leffingwell's house near west end of Flaxman Island at 6:45 a.m. Wind north. + 30° at 6:15 a.m.

Ice pretty thick west of Flaxman Island, but we found a zigzag passage around the heavy cakes. Quite a bit of ice piled on north side of Belvedere

Aug. 5 - (Sat.) Island and Pole Island. About 9:00 a.m. we were abeam of the high mound Kadlerosilik, west of the Shaviovik River. We are running about a mile outside of the reef islands (Lion Reef).

About 10 a.m. we ran in through the broad 2—3-mile wide channel between the island west of Pole Island and the Easternmost island of next group (Karluk Island of Mr. Leffingwell's Mss. chart). Passed just outside of grounded ice lying off point of hook, running lowest speed. Least depth (continuous sounding from the ~~time~~ we entered until we anchored. Least depth at entrance was $1\frac{1}{2}$ fathoms. It may be deeper farther out. We kept close to point on the theory that the current would scour the sand bed faster there, making around the point.

Lion Reef Lagoon. Arctic Coast. Alaska

Aug. 5. (Sat.)

After passing through the channel between the islands, we soon got into 2, 2½ and 3 fathoms. Three fathoms for 2 or 3 miles; 3½ fathoms for 2-3 miles, 3¼ fathoms for some distance, then 4 fathoms for a while in the afternoon.

Passed island in Shavanaktok (Sawanukto) delta; west of it is a cut-bank point (Heald Point)

Ice seems to be heavy outside of islands, and extends across opening between Midway Island and Return Reef. Headed more to North toward sandspit islands, and grounded about 500 yards south of Cross Island. Soon we saw a large three-masted Schooner (S.S. Herman, San Francisco.) in ice about ½ mile off shore, with flag flying. Capt. Sweeney said it was a signal that she had mail on board, and we sent a

Aug. 5. (Sat.) dory ashore to try and communicate with the vessel. The dory landed, but the schooner seemed to be pressed by the moving ice, and moved out of sight.

Pacific Eider – Many flocks, both males and females, going west.

King Eiders – do.

Yellow billed Loons – several flying about in various directions over the lagoon.

Arctic Terns – a few seen.

Blowing from the north East all night. Slightly foggy. +29° at 8:00 p.m.

Eskimo Geographical Names – East from Collinson Point. (from D. Jenness)

Collinson Point = Nuvoak, a point or cape

Marsh River – Nuvoak Kuma, the river that comes out at the point.

Carter River = Kŭvratiuruk, place where fishnet (Kŭvruk) is constantly being used. [over]

Aug. 5 (Sat.)

Sadlerotait River. Salerochit.
ItKilivia = tributary of Sadlerotait, = Indian River because Indian (ItKilik) trail there.
Sadlerotait River – point where Captain Nahmens cache is.
Hula-hula River – river where dances were held.
Creeks at its headwaters (of Hula-hula)
? Isitoq – name of man who hunted there for sheep.
? Kutoka – named after woman
qamitukta – spring water, qomtoq it bubbles up out of ground.
Kohukpuk – rapid.
Kanugriuk – the gable beams of a house, creek behind big hut.
Paktai – meeting stream; two almost meet, it runs on other side of mountain in N. direction
? Anaygaqseruguvik – place where old men stopped.
Crawford's Cabin = Hula-hula pāka.

Aug. 5 (Sat.) Place names east of Collinson Point (continued):

Kikta hill - left bank of Hula-hula half-way up to its source (= "nose").

Kigiaqtumni (Ise-not) at head of Hula-hula.

Ugpilaq River = no-willows.

Barter Island = Qagtovik, place where fish nets are used.

Jags River - East of Barter Island.

Ugpirorut = plenty of willows. A tributary on left bank of Jags R.

Ugrugkuvik - place where there was seal blubber; a tributary on right bank of Jags River.

Nariuna Creek - about 8 miles East of Jags River; from name of man who hunted for Caribou there.

Pokuk - a few miles East of Nariuna; meaning unknown.

Iglurątsiaq - "Polar Bear" camp near Humphrey Point, Alaska, meaning "ruined houses".

Ańotun - between Humphrey Point and Aitsillik.

Aug. 5. (Sat.)

Aitsillik River:- Aitsillik = boiled seal blubber, black like gum. Aitsillik (or Aichilik River) comes out at western end of Icy Reef, a little East of where Belvedere wintered 1913-1914.

Place Names west of Collinson Point.

Katụkturuk River - Straight river. Comes out in bay a little west of Collinson Point.

Kụñañevik - intercepting place (where a lot of Caribou were intercepted and killed). A long point about 10 miles west of Collinson Point

Oyaraqturoq - big stone (a creek a little to the west of Kụñañevik.

Tamaiyariaq River - where Eskimos were lost --- .

Inikilo - the narrow place. = Brownlow Point.

Kụgroaq = Canning River. = Long River.

Aug. 5. (Sat.) Place Names west of Collinson Point.

Siroq = hole (of Flaxman Island).

Place Names between Collinson Point and mouth of Colville River, Alaska. (from Billy Natkusiak).

Qoñeñevik – West point of Camden Bay. – The place where the deer were intercepted (a herd of caribou once came down from inland and were intercepted here by a hunting party.

Kugruaq = Canning River.

Flaxman Island (= ? fox-hole).

Savagvik = i.e. place where people worked. A point about 8 miles west of Flaxman Island where Paperoq had house winter 1913-14.

Tigvariaq Island. = (tigvaktoq = he reaches first ?) a route ?

Saviorvik River = place where knives are obtained ? Iron ?

Aug. 5. (Sat.). Qatar̂osilin River = place where there are qatêroq (a fish found in the Colville)? qadlerog = he draws near. Same as Kadlerosilik. (See p. 199).

Avatiâq = Anxiety Point island.

Nepaqsratin – Cross Island = place where there is a big slick (n̂epaqsraq).

Sar̂avanuktok River = big current?

Neakoq = head. Heald Point.

Return Reef – Piñut = big hill. > Leavitt Island, big island of Jones Islands. Piñuk = sand or silt dune, or mound.

Kukpauroq River = rather big river? or Kuparoq?

Oliktoq = he shivers. Beechey Point. East of Colville delta.

Amauliktok – place where there are Eider Duck. Amauliq = Pacific Eider.

Aug. 5. (Sat.)

Itkelik River = Indian. A lake near the mouth of the Itkelik, was the scene of the starvation and death of a party of Point Hope natives who were here attacked by their enemies. Cf. small island near — for another similar case.

Kupik river = ? (branch of Colville)

Nerilik = White fronted Goose; name of a branch of Colville delta, and a trading rendezvous.

Flaxman Island = Sikkuk.

Barter Island = Qaglorvik = seine net

Martin Point, = Nerivnaq = delayed?

Aug. 6. (Sun.). N.E. gale all forenoon. Slight fog and mist. +29° at 6:00 a.m. Sun visible in forenoon. Wind lowered. Got under way about 3:00 p.m. +28° at 4:00 p.m. Hazy bright; misty at times.

Wind moderate; very light N.E. Passed SW of Midway Islands about 5:45 p.m. (Channel between Midway Islands and Return Reef. It is not possible to take anything larger than a whaleboat or a canoe into the lagoon south of the Jones Islands (or Thetis Islands, as they are sometimes called), because the channel is too narrow at the east end.

Opposite big island of Jones Islands (Leavitt Island of Leffingwell mss.) at 9:00 p.m. Ashore sand-spit at east end of island. Grassy tundra on top of island, with lake

Aug. 6. (Sun.) at east end of island. A very long, narrow sandspit island very nearly connected with west end of Leavitt Island; a narrow strip of water (probably very shoal) separating them.

Pacific Loon - one adult swimming near ship. Several seen flying.

Old-squaws - a few seen.

Eiders - a few flying.

Sun set at 11:40 ship's time, about one hour fast by local time. +28° at midnight.

Fairly open course after passing Return Reef, along outside of Jones Islands. Some ice to be seen off shore.

Aug. 7. (Mon.). During the early morning hours we had to run pretty well down into Harrison Bay on account of heavy ice floes. Young ice forming on water from 2 to 5:00 a.m., thick enough to cut through a whaleboat. Got from 4 fathoms to 1½ fathoms, two or three miles off the low islands (black cut banks) well down in the bay. Ran at half-speed from 6:00 a.m. to 9:00 a.m. to the NW. sounding every two or three minutes. Got 1½ fathoms uniformly for about an hour, then 10-11 feet for another hour. Kept to the inside of Pacific Shoal in about 10-12 feet of water, running pretty close to Cape Halkett Island. (Beacon on island).

Passed rack and two sod houses east of Pitt Point about 11:00 a.m.

Aug. 7. (Mon.) Had to swing to the southward and run several miles in about 2 - 2¼ fathoms, in order to get inside of heavy ice. Running pretty well down into Smith Bay at 1:00 p.m., in 5 fathoms of water.

Arctic Terns — a few seen.
Pacific Loons — a few seen.
Eiders — a few seen.

Passed Cape Simpson; rounded knolls quite conspicuous, about 6:30 p.m.; Tangent Point about 8:30 p.m. (a low flat point, with a big lagoon behind it. Scattered ice cakes all along, becoming heavier as we approached Point Barrow.

Saw Arey & McIntyre's schooner "Argo" in heavy ice along the shore a little east of Moore Channel. A belt of tightly packed ice, a mile or two wide all along the beach to Point Barrow village.

Aug. 7. (Mon.). Ocean fairly open off shore. Many small, flat cakes of ice, but all deep, heavy, and solid, with long "tongues" or "feet" projecting far out to the sides under water. Channels rather narrow, and we had to be very careful about striking our propellor. The vessel got some pretty stiff jolts as it was. We had to keep up a fair speed to keep steerage way, and had to make some pretty sharp turns.

Opposite Point Barrow village at 12:00 midnight, about two miles off shore. Clear; sun just below horizon at midnight. Very light N.W. wind.

Pacific Eiders - a few seen.
Pacific Loons - a few seen
Old-squaws - do
Long-tailed Jaeger several seen.
Glaucous Gulls - a few seen

Aug. 8. (Tues.) Clear at midnight: Very faint NW. wind: Freezing. Running in fairly thick loose ice about 2 miles NE. of Point Barrow village. After getting around the point of Point Barrow, the ice pack seemed to run away to the westward, giving a clear open run down to Cape Smyth: Arrived at Cape Smyth at 1:00 a.m., and anchored opposite Brower's Station. Mr. Chas. Brower and Fred Hopson came out. Engineer and sailor from Gladiator (Polar Bear crew) waiting here for revenue cutter. Other white people here are Mr. T. L. Richardson, U.S. Gov't school teacher, and wife, and a missionary and his wife. an old couple named ______, living at the village at Barrow P.O.

Mr. Brower says that the big long ice ridge has been grounded ½ mile outside Cape Smyth since January.

Aug. 8. (Tues). This heavy grounded ice ridge with deep water inside of it, makes a very good shelter for a harbor. Otherwise there is no shelter here; although if the ice is bad, the whaling ships usually were able to anchor behind some big grounded ice cake.

Mr. T. L. Richardson, U. S. Gov't school teacher at Barrow has been collecting birds and eggs for two years and has sent some specimens out to ______. He showed me some of his specimens:

Mandt's Guillemot – two specimens in winter plumage. They remain in some open water holes which usually keep open within a few miles of the point all winter. He says the natives told him these birds breed in ice like seals. He gave me one skin. Taken Pt. Barrow Feb. 14, 1916.

806. ♀ *Cepphus mandtii*. Iris gray; legs and feet red.

Aug. 8. (Tues.). Dendroica coronata Myrtle Warbler. ♂ specimen, Point Barrow, June 20, 1916.

Pomarine Jaeger – many sets of two eggs each, taken in 1916.

Parasitic and Long-tailed Jaeger – Many sets of two each taken in 1916. but the two species were not carefully distinguished; easily separable from pomarinus by smaller eggs.

Snowy Owl – Many sets of eggs, usually 7 or 8 eggs in nest. Nest in May, June and July, as soon as spots of ground are bare of snow.

White-fronted Goose – (Anser albifrons gambeli) – Set of eggs taken.

~~Hutchin's Goose – sets taken~~ –

Black Brant – sets of eggs taken.

Pacific Eider – eggs taken here.

King Eider – eggs taken here.

Steller's Eider – Two sets of eggs, 5 eggs each, taken on tundra, in 1916

Aug. 8. (Tues.)

Glaucous Gull - several sets of eggs taken.

Arctic Tern - several sets of eggs taken.

Gray Gyrfalcon - skins taken here in collection. Mr. Richardson says they are fairly common. The natives say they nest farther back on the hill-sides.

Pacific Loon - many sets taken, nests by tundra ponds.

Red-throated Loon - ~~many sets~~ One set taken.

Yellow-billed Loon - two sets of eggs, two eggs each, but all were more or less cracked. The natives who brought in the eggs said the nests were by the edge of tundra lakes, the same as the other two species. Eggs are much larger than eggs of Pacific Loon and Red-throated Loon.

Ross' Rosy Gull - (Rhodostethia rosea) Mr. Richardson says he has seen

Aug. 8. (Tues.) none yet this year, but says that they are common here late in the fall. He took about thirty specimens in the fall of 1914 or 1915, but sent the specimens outside.

Pacific Kittiwake - several Kittiwakes seen flying about today.

Arctic Terns - several seen.

Pacific Eiders - Natives coming in from their morning's shooting, had large strings of male Eiders, killed today; both Pacific Eiders and King Eiders taken.

Vest Pocket -
804. Fred Hopson, Barrow 11-1/50-B.S. 1[30] a.m.
805 - Barrow, Alaska to S.
806 - " " to North.
807 - Deck of Alaska, at Barrow.

Left several dogs here (with Brower & Hopson), also the old Umiak, and the old sleds. We do not need them any more, and we need our decks

Aug. 8. (Tues.). cleared to prepare for the open water and heavy weather expected south of here.

Filled tanks with fresh water from pools on big ice pressure ridge which is grounded just outside of Cape Smyth. Deep pools on top of floe; pools covered with thick young ice strong enough to bear up a man.

Ships which have passed here.

Schr. "Argo" (Arey and McIntyre) came from East, brought supplies, and started back East. Now lying in ice about 5 miles East of Point Barrow.

S.S. "Herman", San Francisco, Cal., H. Liebes & Co. Capt. Theo. Pedersen, master, brought supplies with Chas Brower, and sailed East. "Herman" has been changed from barkentine to schooner rig, and oil-burning engine (?)

Aug. 8. (Tues.). "Gladiator," Schr., Ole Andreason, master, which wintered near Herschell Island, passed Cape Smyth recently, going south. One man died in winter. Two men landed here.

Schr. "Anna Olga," Martin Andersen master, which wintered at Point Atkinson, passed here a day or two ago, going south, without stopping.

Set clock back to Barrow time. Sailed 10:45 A.M. Clear, bright, warm sunshine. Fog came from NE. at 8:00 p.m. Breeze freshened from NE: fair wind; rather heavy swell. After passing the south end of grounded pressure ridge at Cape Smyth, we saw no more ice except an occasional little isolated floating cake. Log read 85 miles from Cape Smyth at midnight.

Loons (Pacific) saw a few.
Pallas Murres - saw a few in water.
Red (?) Phalaropes - saw a few

Aug. 8. (Tues.). Devilfish (Whale) - one came up within fifty yards of the ship, while cruising along the coast between Cape Smyth and Wainwright Inlet.

Aug. 9. (Wed.). Foggy until about 10:00 a.m. Ran in sight of land and breakers in fog, near Icy Cape, about 3:00 a.m. Got in to $2\frac{1}{2}$ fathoms. Headed off shore for one hour then set course S by W $\frac{1}{2}$ W. Breeze increasing from NE all forenoon, raising quite a sea by noon.

Log 147.5 miles at 8:45 a.m.
Log. 158 " " 10:45 a.m. (24 hrs. run.)

Rodgers' Fulmar - saw two or three in forenoon (S. of Icy Cape).

Aug. 9. (Wed.) Pallas' (?) Murres - Several seen in forenoon, south of Icy Cape. They became more numerous towards noon, as we got farther south. Black back and head.

Phalarope (Red?) - A few seen out at sea.

Wind "breezing up" more in evening. Sighted Cape Lisburne about 8:00 p.m. Rather foggy but clearing at intervals

Aug. 10. (Thurs.) Foggy but clearing at intervals so we could get bearings. Opposite "The Ears", two high conical mountain peaks south of Cape Lisburne at 2:00 a.m. Ship leaking, suddenly worse than usual, and engine room flooded. Pump not working well. Engine finally stopped. Engineer became discouraged and claimed he could do nothing to start up again, but after quite a bit of digging around Sweeney and others got the limber-chains pulled through, and we then pumped the water down a little. Engineer then started engine again, and we reached Point Hope about 6:00 a.m. Wind light, about SE, hauling to SW, and back to North about noon. Warm, sunshiny forenoon and a few mosquitoes out.

Porpoises - some in harbor; rare here.

Aug. 10. (Thurs.). Rev. T. M. Hoar, who has been missionary here for several years, and later also "Little Joe" Tuckfield, a retired whaler, who has lived at Point Hope for 25 years without leaving, came on board, together with a number of natives. The natives had a number of mostly fancy pieces to sell, patterns of skins of Loons, Spectacled, Stellers, King and Pacific Eider's heads, etc., sewed together; also checked patterns of seal and reindeer skin.

Pallas's Murre — Numbers flying back and forth at Point Hope, and sitting in the water. They nest both on the cliffs at Cape Lisburne and at Cape Thompson. Mr. Hoar said that the natives here get from 15,000 to 20,000 eggs annually making boat excursions to the Cape Lisburne and Cape Thompson breeding grounds.

Puffin — rather common.

Aug. 10. (Thurs.) (~~Wed.~~). Pac. Kittiwake – Mr. Hoar says that the Kittiwakes nest on the tundra on the low Point Hope peninsula, and also on the grassy tops of the Cape Lisburne bluffs.

Steller's Eider – Mr. Hoar says the Steller's Eider nests commonly on the tundra near Point Hope.

Spectacled Eider – Mr. Hoar says that the Spectacled Eiders nest commonly on the tundra near Point Hope.

Got leak of vessel stopped somewhat, after tightening the bolts on the stuffing box. The Engineer thinks the stuffing box started to leak after the propellor got a hard blow against the ice while coming around Point Barrow.

Sailed about 1:30 p.m.

Opposite Cape Thompson (high, rocky bluffs, at 6:00 p.m.

Aug. 10. (~~Wed.~~) (Thurs.)

Pallas' Murre (Uria lomvia arra). Great numbers flying in to Cape Thompson from several miles off shore; usually in small flocks, but many singly. Occasionally saw one carrying small fish.

Puffin — Occasional Puffin seen flying in from off shore.

Pacific Kittiwakes — numbers seen.

Arctic Terns — a few seen flying about, both adults and young of the year.

Photo Vest Pocket.

808-809-810-811-812-813-814.

808. Mr. Hoare and "Little Joe" Tuckfield.
11 — 1/50 — B.S. ~~2.00~~ 1.30 p.m.

809 — 814 — Point Hope Eskimos in umiaks, and views of Point Hope village.

815 — 3A — Cape ~~Lisburne~~ Thompson, Alaska
11 — 1/50 — Bright sun 6.00 p.m.

816 — do. (Great rookery of Murres, Puffins etc.

Aug. 10. (Thurs.).	Clear all night, but pretty dark after 10:30 p.m. Light north wind. Course all night South by Compass (magnetic).
Aug. 11. (Fri.).	Clear at 6:00 a.m. Light northerly air. Clear until 9:00 a.m., when it began to get hazy. +46° at 7:00 a.m.
	No land seen since leaving Cape Thompson last night.
	Rodgers' Fulmar — numbers seen flying or resting on the water.
	Puffin — an occasional single Puffin flying over (Kotzebue Sd.
	Pallas Murres — no Murres seen this morning (middle of Kotzebue Sound).
	Snipe — two seen about 9:30 a.m.

Aug. 16. (Fri.) Fog cleared a little in the afternoon and we sighted a low sandspit land, running SW. About 6 fathoms of water 800 yards off shore. Many old sod-houses, caches, etc., along the beach. Sighted high land ahead, and had some difficulty weathering it with steadily increasing heavy gale and rising swell from NE. Got some shelter behind the low sandspit, and anchored about 400 yards off shore, in 2 fathoms water, about 7:30 p.m. Quite a large Eskimo village here, (Wales P.O.). Several red-roofed frame houses. Village a little east of Cape Prince of Wales on south side of the point, at foot of high cliffs. Several Eskimo's came off in two small dories. They said that U.S. Revenue Cutter "Bear" went north from here 5 days ago.

Aug. 18. (Fri.). The Eskimos here say that Jim. Crawford (formerly engineer of Schr. Mary Sachs, C. A. E.) was here recently with the schr. "Challenge" bound north, but had to go back to Nome for something. Most of the local villagers are now at Nome. They say there are no white men here at present but two school-teachers.

Breeze soon increased and anchor started to drag. Breeze steady blowing down the coast here. Decided to run down the coast a little farther as natives say that there is shelter from NW wind a little farther down the coast, at Tin City (about halfway between Cape Prince of Wales and Cape York). Left anchorage at Wales at 8:40 p.m. and crept along the coast in a terrific gale blowing straight down from the precipitous cliffs. It was

Aug. 11. (Fri.). about all we could do to hold up to it. Sometimes we would fall off a little and start to drift across Bering Sea, but ultimately headed the ship's nose into a little bight just west of tin mines at 9:30 and dropped both anchors, about 100 yards from beach. Ship yawed about all night but the anchors held firm.

Warm in forenoon today, and sunshine + 71° at noon.

Sea water noticeably warmer.

Sky partially clear after 10:00 p.m.

Full moon visible. Pretty dark at 9:30 p.m.

No lights seen and apparently there is nobody living at the tin mines now.

Aug. 12. (Sat.). Partly overcast at 6:00 a.m. Gale unabated but ship hanging on at base of cliffs. Tops of the Cliffs only visible occasionally.

Photo 3A.

817. Cliffs at point, west of Tin City. 8 - 1/50 - Cloudy bright 9:00 a.m.

818. Tin City. 8 - 1/50 - Cl. Br. 9 a.m.

819. do. 11 - 1/50 -

820. do. 11 - 1/50 -

Photo vest pocket.

821 - Tin City, Alaska. (Cassiderite mine shafts.)

822. Tin City, Alaska 823-824 do.

Gusty in afternoon, more violent than usual at times, but sometimes slacking a bit for a moment or two. Ship swaying back and forth on anchor chains all day. We cannot haul the chains too short for fear of dragging the anchors up. Sky cleared somewhat towards

Tin City, Bering Sea, Alaska.

Aug. 12. evening, and sun shone for a bit.
(Sat.) Fog bank lifted a little so that we could see the sharp, jagged pinnacles and spires on the summit of the cliffs above us.
Cloudy during the night. Pretty dark after 10:00 p.m.
Pacific Kittiwakes – a few seen flying.

Aug. 13: Raining most of the night after
(Sun.) midnight and all forenoon. Thick fog. Gale unabated, from about N.W. Sky cleared up a little in afternoon and wind slacked a bit. Hove up anchor about 3:00 p.m., and ran down past Cape York; anchored again about 7:00 p.m. 300 yards from beach, in 3 fathoms; rock bottom, a little west of long sandspit between

Aug. 13. (Sun.) Cape York and the Port Clarence Reindeer Station. Fairly strong wind all night. Got glimpses of mountains south of Port Clarence, and of King Island.

Cormorants( ) – Saw some flying over.

Pacific Kittiwakes – a few seen.

Arctic Terns – a few seen.

Aug. 14. (Mon.) Cloudy morning, but atmosphere fairly clear. Pretty strong NW breeze, but less strong than yesterday. Under way at 6:30 a.m. Saw Point Spencer, high beacon on sandspit about 7:00 a.m. Kept outside of it and ran down the coast. Quite a swell running. Felt rather sick today. Mr. Cox has been in bed since night before last, generally indisposed.

Aug. 14. (Mon.) Wind shifted to SW, and we headed for Sledge Island to get shelter, as there is no shelter from SW wind on roadstead at Nome. Anchored in 3 fathoms at end of bluff near sandspit. Four or five houses on sandspit (now said to be Nome quarantine station), but we saw no people in sight. We did not go ashore.

Wind more SE at night. Rain all evening.

Murres — Saw two or three Pallas' Murres as we approached Sledge Island — a high rocky island.

Puffins — Saw two or three ——— Puffins as we came near Sledge Island.

Aug. 15. (Tues.). Light rain at midnight. Wind southerly. Stern of schooner began too swing too ~~near~~ close to the beach, so we hove anchor at 12:40 a.m. and started for Nome. Reached Nome about 4:30 a.m., and anchored about ½ mile out. Saw the "Teddy Bear" come in towed by the "Arctic." Capt. Jos. F. Bernard of "Teddy Bear" came aboard and brought me some mail. He had just started north and broke his rudder and had to turn back. He took the vessel down to Port Safety today for repairs. Capt. Bernard is going north to spend one or two winters trading – East of Mackenzie.

Waited for health officers to come out. Capt. Tom Ross' tug came out about 8:00 a.m. with Dr. Daniel Neuman, health officer. Went ashore with Capt. D. Sweeney.

Nome, Alaska.

Aug. 15. (Tues.) Had Capt. Sweeney here three sailors, to relieve the scientific staff from ship duty when we went aboard.

1 Went to Post Office but found only one private letter for me; none for the other men. Sent telegrams to Dept. of Naval Service, Geological Survey, the New York Times, and one for Inspector La Nauze, R.N.W.M.P.

Then went at once to Sesnon Co. (Alaska Lighterage and Commercial Company), and arranged to have a lighter discharge the "Alaska" cargo on the Sesnon wharf. The caisson was swept away in winter. Sea rather heavy today but everything was taken off but some small stuff. Cloudy west wind.

Short-billed gulls — numerous around ship. Mr. Wilkins took a number of pictures.

Nome, Alaska:

Aug. 16. (Wed:). SE gale all day, increasing in the afternoon. "S. S. Victoria" was expected today, but did not arrive. The schooner "Silver Wave" had to run for shelter of Sledge Island in the afternoon and the "Alaska" went a little later.

Received answer to telegram from Geological Survey, but no answer from others.

Men on Alaska, Capt. D. Sweeney, Engr. J. E. Hoff. Sailors Danny Cassidy, Theodore Lundgren and Chas. Berg. Jas Sullivan came ashore. He wants to go out on the Victoria, being reservist in British Army, 2nd Battalion, The Buffs.

Nome, Alaska.

Aug. 17. (Thurs) Cloudy. Wind the same as yesterday, moderated only slightly.
Made out discharge paper for James Sullivan, cook, and bought him a ticket to Seattle via Victoria, for $75.00.
Telegraphed Naval Service re "Alaska", and re discharge of J. Sullivan.
Wind apparently moderated a little later in the day, but no ships in the roadstead.
S.S. Victoria is reported at St. Michaels, but unable to load on account of weather.

Aug. 18. (Fri.) Sky cleared a little. Worked at Seamon dock in forenoon, checking and sorting boxes and measuring tonnage of cases which are to be shipped to Ottawa via Seattle. (Specimens, instruments, etc. returned to Ottawa).

Nome, Alaska.

Aug. 18. (Fri.). Mr. Jafet Lindeberg, proprietor of the Pioneer Mining Co., took us out to the Pioneer Mine in afternoon in automobile. (There are 17 autos. in Nome). Saw the hydraulic mining operations, washing out a large pit. Part of this ground had been worked before in the early days. Mr. Lindeberg said that about $400,000 would be taken from this pit. Saw a few soap boxes of scheelite (tungsten ore) in his office. He said that they find it in small ledges; formerly threw it away, but it had recently become valuable, since the war began. There were several thousand dollars worth of tungsten ore in these few soap boxes.

"Alaska" returned to roadstead at 4:40 p.m., but nobody landed tonight on account of heavy surf. Practically no wind. Heavy rain in evening.

Nome, Alaska.

Aug. 18. Received telegram from Naval
(Fri.). Service about noon, and money wired by Geological Survey to Miners and Merchants Bank. — $2500 ($500 each for expenses O'Neill, Cox, Jenness, Johansen, and Anderson to Ottawa). Wrote letter to Naval Service, also sent night letter telegram. Telegrams from here are by wireless, from U.S. Army, Signal Corps, Station.

Aug. 19. Cloudy a.m. Arranged with Alaska
(Fri.). Lighterage & Commercial Co. to haul "Alaska" up on the beach. Mr. Kellogg, manager, said they had given up making a flat rate for such a job, but take regular wages for men, and fixed charges for use of machinery. Ran the vessel up hard aground near the

Nome, Alaska.

Aug. 19. (Sat.) Standard Oil Company's buildings. They put their skids and steam machinery on at once, and the vessel was half up at dark, and the boat was hauled clear up during the night. Rain in evening.

Aug. 20. (Sun.) Worked on "Alaska" in forenoon. Mr. Kellogg, manager of Alaska Lighterage & Commercial Co., says that he can arrange to sell the boat. Worked on dock in afternoon with Mr. Reed, U.S. Customs Officer, sorting out returned stores belonging to the Expedition. Some are of American and some of Canadian origin. Those of American origin can be sold here without any formality. Dutiable goods of Canadian origin must pay duty here.

Nome, Alaska

Aug. 20 (Sun.) Returned Goods (going to Ottawa or Victoria), specimens, instruments etc. are to be shipped in bond.

Dinner in evening for Expedition members by Mr. and Mrs. Darling; also present Mr. and Mrs. F. H. Short.

Aug. 21. (Mon.) Clear. Warmer.

Bought tickets to Seattle via S.S. Northwestern, Alaska Steamship Co. for Capt. Sweeney, Engr. Hoff, and myself.

Worked on ship in afternoon, with Mr. Reed and Mr Ketchum (of Alaska L. & C. Co.) inventorying some loose stores, cloth, etc., left in cabin and in galley "room".

Pacific Godwit (*Limosa lapponica baueri*). Mr. Johansen found one dead on tundra; a fine plumaged specimen, but partly decayed.

Nome, Alaska.

Aug. 22. (Tues.). Cloudy. Colder. Worked on "Alaska" with Mr. Hoff and Mr. Ketchum. Inventoried Engine room tools and supplies. Finished inventory of galley equipment, (pots, dishes, etc.). Made inventory of deck gear (anchors, standing rigging, sails and running gear, etc.).
Got everything off the ship that is movable or detachable and hauled it up to the warehouse of Alaska Lighterage & Commercial Co.
Capt. Sweeney was not able to work today. He has been steadily and faithfully on the job all summer and almost continuously on duty since arriving at Nome, and the strain has been too much.
Dinner at Judge G. J. Lomen's residence, with Mr. and Mrs. A. D. Cochran and Mr. and Mrs. Jafet Lindeberg.

Nome, Alaska

Aug. 23. (Wed.) Cloudy a.m. Rain in afternoon. Heavy rain in evening.

Worked on wharf in afternoon, segregating specimens, etc. to go out.

D. Jenness — 40 boxes Ethnological Spec.
9 bags " "
3 Kayaks (Ethnol.).
1 bunch paddles.
{1 box Books.}
{1 bag personal effects}

G. H. Wilkins —
1 bale specimens (To Gaumont Co., London.

J. J. O'Neill. 7 boxes specimens
1 bag "
2 bags personal effects.
2 boxes guns.
1 pkg. guns.

J. R. Cox — 9 boxes instruments.
4 bags personal effects.

F. Johansen — ? boxes specimens
2 boxes books.
1 box instruments —
1 bag personal effects

R. M. Anderson — 1 trunk – tools, instruments
2 trunks, books and papers

Nome, Alaska.

Aug. 23 (Wed.)

R. M. Anderson
5 boxes specimens (bird skins).
2 crates " (skins, heads)
11 large bags (skins).
2 boxes scientific books
2 bags personal effects, clothing.
1 box bones & Polar Bear
W. L. McKinlay — 1 trunk, personal effects
3 trunks of scientific specimens from Banks Island.

To be returned to Naval Store Officer, Esquimault, B.C. 2 chests tobacco, and returned drugs, and miscellaneous small stores, also 4 cases B. & W. Tabloid Tea.
Tobacco ~~and Tea~~ cannot be entered without paying too high duty, and Tea can not be entered without "pure food" inspection, and there is no inspector at Nome.

Nome, Alaska.

Aug 24. (Thurs.). Cloudy a.m. Warmer. No rain.
Completed sorting everything on wharf – 173 pieces to be shipped to Ottawa, and 6 to Esquimalt.
Signed up necessary papers at Customs Office. Some needed Capt. Sweeney's signature, but he was too sick to do business today.
Expedition members were entertained in the evening at house of Mr. and Mrs. Frank Dean (formerly of Point Hope, Alaska, and of N.E. Siberian Co.).
S.S. Northwestern arrived in the night.

Aug. 25. (Fri.). Clear, bright day. Received two letters on S.S. Northwestern last night.
Expedition members spent evening at Mrs. Cochran's.

Nome, Alaska.

Aug. 26. (Sat.). Clear, bright day. Worked on Expedition papers. Sent by express R.N.W.M.P. package from Herschel Island.
Sent in telegram to Naval Service, D. Sweeney (master) and J. E. Hoff, (Engineer) of "Alaska" discharged.
D. Sweeney bought Schr. "Gladiator" from Ole Andreason for $2000.00 cash. The schooner had been bought from Capt. F. Wolke by V. Stefansson in 1915, traded to Capt. Louis Lane, who in turn traded it to Ole Andreason who brought it to Nome this month. Ole Andreason has decided not to go back north this year as his brother has not arrived, nor the "Polar Bear" from which he was to get supplies. Capt. Sweeney intends to go north again this fall if possible.
Spent the evening with Expedition members at home of Jafet Lindeberg.

Nome, Alaska.

Aug. 26. (Sat.) Last night news was received that Capt. Louis Lane's new vessel, the "Great Bear", was wrecked Aug. 10th on Pinnacle Rock, just south of St. Matthew Island, Bering Sea. The "Great Bear" had left Unalaska for Nome, intending to visit St. Matthew Island on the way, but when she did not arrive at Nome long after expected time the Coast Guard service here sent a wireless to Unalaska and U.S.C.G. "McCullough" went out to look for them.

Aug. 27. (Sun.) Clear a.m. Hazy bright p.m. S.S. "Juneau" arrived from St. Michaels about 10:00 a.m.

U.S.C.G.S. McCullough arrived from St. Matthew Island at 1:00 p.m., bring the shipwrecked crew of "Great Bear" all safely. Capt. L. L. Lane (master), John Borden (mate).

Nome, Alaska.

Aug. 27. (Sun.). L. L. Lane and John Borden, owners. Object, whaling, trading, and hunting big game. "Great Bear" struck rock in dense fog. Several whale boat loads of provisions, tents, stove, etc. landed on St. Matthew Island, and the people had almost enough stores landed to winter on.

Went out and photographed C. G. S. "Alaska" on the beach, from several angles.

3A - 825 - 826 - 827 - 828. C. G. S. "Alaska" hauled up on beach at Nome. (from end).

Vestpocket Kodak.

847. Alaska on beach at Nome.

848 - Schr. "Nogatak of Nome" on beach.

849. Sesnon Co. lighter on beach. Nome.

850. C. G. S. "Alaska" on beach at Nome,

853 - do (bow).

Nome, Alaska.

Aug. 28 (Mon.) Cloudy. Sent down baggage to wharf.

Spent part of evening with Expedition members at Mrs. Cochran's, and part of evening at Chamber of Commerce smoker. Occasion of smoker:— boosting for dredging of Snake River, to make some sort of harbor for mosquito fleet; U.S. Engineer present to investigate needs of same.

Charges for hauling out "Alaska", placing on blocking, and stripping off all movable gear for storing in warehouse at dock. $ 602.29

Recovery of lost anchor (dredging)	15.25
	617.54

Lighterage of goods from Alaska.

1442 ½ c.f. @ $5.00 per Ton.	180.35
Wharfage do.	18.03
	$ 815.92

Nome, Alaska.

Aug. 29. (Tues.) Cloudy. Went out to S.S. "Northwestern" a little after 9:00 a.m. Steamer pulled out afternoon. While being hoisted to deck of steamer from deck of lighter, on a swinging tackle platform, two men who seemed to be drunk, fell off the platform on to the lighter, becoming unconscious at once and were taken ashore on tug. Both died later, we heard. Passengers were taken out to lighter on tug, then hoisted to steamer from lighter, in same way as cargo. Capt. Lane fell off between lighter and ship, and came near being crushed between the two, but dived under the lighter and came up outside.

Vest Pocket photo.

854. Nome water front. Nome, Alaska.

855. C.A.E. freight (mostly specimens) on lighter alongside of S.S. "Northwestern"

Nome, Alaska.

Aug. 29. (Tues.) 856. C.G.E. freight. (Do.)
857. Gulls near steamer (Nome).
858. Nome beach from roadstead.
859. Tug returning to land after lightering passengers to S.S. "Northwestern".

Willow Ptarmigan — Ptarmigan are said to be very scarce around Nome this year. They are pretty well protected, it is said. A good many sportsmen go after them in the fall.

Ducks — few around Nome; but said to be numerous around Solomon. Saw a few flying over roadstead.

Puffin — saw one Puffin flying over roadstead at Nome.

Fish — Some Dolly Varden Trout and Grayling are being caught in the creeks in vicinity of Nome by sportsmen. Several parties have been out recently.

Aug. 30. (Wed.)	Cloudy all day. Slight fog. Fairly strong SW wind. S.S. Northwestern steadily on course to southward.
Aug. 31 (Thurs.)	Cloudy a.m. Sun shone a little in afternoon. Passed three-masted barkentine "Star of India" (Alaska Packers' boat), coming out of Bristol Bay under full sail about 5:00 p.m. Decks crowded.
	V.P.F. 860. Three-masted barkentine "Star of India" under full sail. Bristol Bay, North of Unimak Pass, Alaska 5:00 p.m.
	Passed through Unimak Pass in the evening.
	Puffinus - a few seen.
	Leach's Petrel - several small dusky petrels, with white upper tail coverts, flew on board after dark, (after we

Aug. 31. (Thurs.) had passed through Unimak Pass) and were picked up on deck, dazzled by the lights on the boat. After striking the boat, they would huddle down on the deck, and five at least, were picked up by the passengers. Skinned one female a rather fat bird.

808. ♀ Oceanodroma leucorhoa.

Sept. 1. (Fri.). Cloudy. Sun faintly visible a little before noon.

Leach's Petrel = Mr. Wilkins made several photos of a Petrel which I caught last night and kept alive. It did not try actively to escape, but finally flew over the side.

Glaucous-winged Gulls - a few seen near the ship.

Mountains on north side of the Gulf of Alaska visible in afternoon. Rather heavy cross sea. Some passengers seasick

Sept. 2 (Sat.). Bright sunshiny day. Smooth sea. Passed along south side of Kodiak Island, and later south of Afognak Island.

Puffin — a few seen.

Fulmar — a few Fulmars seen; mottled plumage.

Shearwater (Dusky?) — numerous large flocks, in the water or flying.

Black-footed Albatrosses — a few seen.

Sept. 3. (Sun.) Reached town of Seward about 2:00 a.m., and pulled out again about 5:00 a.m.

Gulls — rather numerous.

Grouse — Seward ~~morning~~ paper this morning said that only two Grouse were killed on opening day of season.

Ptarmigan — scarce here now. (Seward morning paper, Sept. 3).

Mt. Sheep and Goats reported seen near town.

Seward, La Touche, Prince Wm. Sound. Alaska.

Sept. 3 (Sun.) 829. Resurrection Bay, leaving Seward, Alaska, 8 - 1/50 - Bright sun. 8:00 a.m.

830. do. Resurrection Bay, Alaska.

831. do.

Arrived at La Touche, Prince William Sound, about 10:00 a.m. Stopped here for the ship to load on about 900 lbs. of Copper concentrates for Kennicott Copper Corporation.

Went up on top of hill to see operations, blasting from surface, and tunnels in side of hill.

Ferns very numerous and large. Blueberries and large red Salmonberries abundant.

Saw one Dusky Fox Sparrow.

Sailed from La Touche in the night.

Valdez, to Cordova,
Prince William Sound, Alaska.

Sept. 4. (Mon.) Arrived at Valdez about 5:00 a.m. Went up town. Saw many Dog Salmon trying to force themselves up a small, shallow stream, so shallow that their backs stuck out of water. They looked much battered and many were dead. Gulls numerous feeding on dead Salmon and pecking the eyes out of others.

Sailed at 8:00 a.m from Valdez.

Arrived at Cordova about 2:00 p.m and went with special excursion to Miles Glacier and Childs Glacier 49.3 miles up the Copper River and North Western Railway.

Photo 3A.

832. Childs Glacier, Copper River, Alaska.
8-$\frac{1}{50}$: Dark cloudy Rain 3 p.m.

833. Childs Glacier. C.R. & N.W. Ry.

834. do Dark cloudy p.m.

Vest pocket - 861-2-3-4-5-6-867-
Childs Glacier, Copper River, Alaska.

Sept 4 (Mon.) Childs Glacier front is about 3 miles long, along right bank of river; face of Glacier about 350 feet high. Saw several large masses of ice break off and fall down into the river, causing great splashes, and waves running across the river.

Miles Glacier is said to have about 1800 feet of water below it. River very white and opaque.

Rain all afternoon.

Took on 16,000 cases of Salmon at Cordova.

Sept. 5. (Tues.) Cloudy. Went down the bay about 5 miles to Orca, a mere canning station of Booth Fisheries Co., and started loading about 12,000 cases of Salmon.

Met Mr. Grimes (Minn. and Columbia) of Anaconda Mining Co., and another mining engineer, going down to Juneau

Sept. 6. (Wed.) Left Orca about 5:00 a.m. Struck fairly heavy swell from SE after getting out to sea. Course was back to west, from Orca around the islands in Prince William Sound. Clear morning. Clear morning.

A snow-capped range (the Chugach Mts.), to the north is said to be about 10,000 feet high. Mr. Grimes said that in these mountains there is a very in-accessible district (as large as the State of Connecticut) which has never been explored.

Passed Cape St. Elias about 5:00 p.m.

Gulf of Alaska — Mt. St. Elias to Juneau, Alaska.

Sept. 7. (Thurs.) Passed Mt. St. Elias in morning. Rather cloudy, but snow-capped mountains visible most of forenoon. Passed Malaspina Glacier and entered Inside Passage about 2:00 p.m. Some small pieces of floating ice seen coming out of Muir Bay or Glacier Bay, which we passed about 4:30 p.m.

Gulls – numerous, several species.
Puffins – numbers seen.
Auklets – " "

Reached Juneau about midnight, passing Thane Mills, Treadwell, and Douglas, brilliantly lit up by electric lights. Stayed in Juneau a little over two hours, and walked up town.

Sept. 8 (Fri.). Rain in early morning. Clear towards noon; Bright sunshine p.m.
Inside passage, south of Juneau.

Sept. 9. (Sat.) Arrived at Ketchikan about 4:00 a.m. and left at 7:00 a.m. Went up town. Town built mostly over raised board platform, to level up the steep hillsides. Saw two totem poles.

Gulls - numerous around town.

Passed down along inside of islands. Clear in evening. Bright moonlight. Channel fairly well lighted.

Mr. F. Johansen left the party at Ketchikan, intending to go across to Prince Rupert, and thence East via Grand Trunk Pacific.

Sept. 10. (Sun.) Started across Queen Charlotte Sound about 6:00 a.m. Wind from SE; very little swell. Passed behind the north end of Vancouver Island about noon. Stopped about 8:00 p.m. a few miles north of Seymour Narrows, to wait for tide at 10:30 p.m. Channel very narrow.

Seattle, Washington.

Sept. 11. (Mon.).	Clear day. Bright sunshine. S.S. Northwestern landed in Seattle 2:30 p.m.	
Sept. 12. (Tues.).	Made arrangements for shipping all C.A.E. specimens straight through in bond via Vancouver, to Ottawa.	
Sept. 13. (Wed.).	Packed up papers, documents, etc, which are to go to Ottawa by express. Have had to carry them as personal baggage thus far in order to have them available for use	
Sept. 14. (Thurs.)	Went over to Victoria, B.C., on S.S. "Sol Duc" in evening.	

Victoria, B.C.

Sept. 15. (Fri.). Clear, bright day. Reached Victoria 9:00 a.m. Went out to H.M.C. Dockyard, Esquimalt, B.C., and saw Mr. Geo. Phillips, Naval Store Officer. Got mail there. Shipped papers, records, instruments, etc. to Ottawa by express.

Oct. 8. (Sun.). Arrived in Ottawa.
All specimens arrived at Ottawa a few days previously.

Bird and Mammal Collection. R.M. Anderson.

Coll. No.	Sex	Species	Locality	Date
660	♀	Evotomys ~~sp.~~ dawsoni	Port Epworth, Coronation Gulf	MAY 25 1916
661	♂	" "	" " " "	MAY 25 1916
662	♂	" "	" " " "	MAY 26 1916
663	♀	~~Synaptomys~~ Lemmus "	" " " "	MAY 25 1916
664	♂	Otocoris alpestris hoyti	" " " "	MAY 26 1916
665	♀	Dicrostonyx sp	Island, Kogaryuak R. " "	MAY 30 1916
666	♂	Archibuteo l. sancti-johannis	" " " "	MAY 30 1916
667	♂	Lepus arcticus canus	Cape Kendall. " "	JUN 2 1916
668	♂	Tryngites subruficollis	Bernard Harbour, D. a U. Str.	JUN 6 1916
669	♀	" "	" " "	JUN 6 1916
670	♀	Ægialitis semipalmata	" " "	JUN 6 1916
671	♂	Phoca barbata ad.	Cape Lambert, "	MAY 2 1916
672	♂	" " "	Chantry Island. "	APR 24 1916
673	♀	" " juv.	" " "	APR 25 1916
674	?	Phoca hispida juv.	" " "	MAY 1 1916
675	♂	Pisobia bairdi	Bernard Harbour. "	JUN 6 1916
676	♀	Junco hyemalis hyemalis	" " "	JUN 8 1916
677	♂	Somateria spectabilis	" " "	JUN 9 1916
678	♂	" v-nigra.	" " "	JUN 9 1916
679	♀	" "	" " "	JUN 9 1916
680	?	Larus hyperboreus	" " "	JUN 9 1916
681	♂	Squatarola squatarola	" " "	JUN 10 1916

Coll. No.	Sex	Species.	Locality.	Date
682	♀	Stercorarius pomarinus	Bernard Harbour D.&U. Sts.	June 10, 191
683	♀	Harelda hyemalis	" " "	" 12. "
684	-	Ster. pomarinus.	" " "	" " "
685	♂	Somateria v-nigra.	" " "	" " "
686	♂	" "	" " "	" " "
687	♀	" "	" " "	" 13. "
688	♀	" "	" " "	" " "
689	♂	Somateria spectabilis	" " "	" " "
690	♀	Larus hyperboreus	" " "	May 31. "
691	♂	" "	" " "	" " "
692	♂	Somateria v-nigra.	" " "	" 30. "
693	♂	" "	" " "	" " "
694	♀	" "	" " "	" 31. "
695	♂	Lagopus r. rupestris	" " "	" " "
696	♂	" " "	" " "	April 30. "
697	♂	Charadrius d. dominicus	" " "	May 28. "
698	♂	Otocoris alpestris hoyti	" " "	" 30. "
699	♀	" " "	" " "	" " "
700	♂	Dicrostonyx sp.	" " "	June 3. "
701	♀	Lemmus "	" " "	" " "
702	♂	Calcarius l. lapponicus	" " "	May 30. "
703	♀	Dicrostonyx sp.	" " "	" 25. "

Coll. No.	Sex.	Species.	Locality.	Date.
704	♀	Dicrostonyx sp.	Bernard Harbour. D. & U. Str.	May 25. 1916.
705	♂	Citellus parryi subsp.	" " "	June 3. "
706	♀	Stercorarius pomarinus.	" " "	" 13. "
707	♂	" "	" " "	" 14. "
708	♀	Xema sabini	" " "	" " "
709	♀	" "	" " "	" " "
710	♂	" "	" " "	" " "
711	♂	" "	" " "	" " "
712	♀	" "	" " "	" " "
713	♀	Stercorarius pomarinus.	" " "	" 14. "
714	♂	Somateria v-nigra.	" " "	" " "
715	♂	Stercorarius pomarinus.	" " "	" 16. "
716	♂	" "	" " "	" " "
717	♂	Squatarola squatarola.	" " "	" " "
718	♂	Lagopus l. Lagopus.	" " "	" " "
719	♂	Xema sabini	" " "	" 15. "
720	♀	" "	" " "	" 17. "
721	♀	" "	" " "	" " "
722	♂	Asio flammeus.	" " "	" 18 "
723	♀	Stercorarius pomarinus.	" " "	" " "
724	♂	Pisobia bairdi.	S. of Chantry Isl. "	" 19. "
725	♂	Plectrophenax n. nivalis.	Chantry Isl. "	" " "

Coll. No.	Sex.	Species.	Locality.	Date.
726	♀	Plectrophenax n. nivalis	Chantry Island. ~~Bernard Harbour.~~ D. & U. Str..	June 19, 1916
727	♀	Charadrius d. dominicus	Bernard Harbour "	" " "
728	♀	Xema sabini.	" " "	" " "
729	♂	Synaptomys ? sp. Lemming Vole.	" " "	" 24 "
730	♂	Harelda hyematis	" " "	" 18. "
731	♂	" "	" " "	" 14. "
732	♂	" "	" " "	" " "
733	♂	" "	" " "	" 23. "
734	♂	Ægialitis semipalmata.	" " "	" 20. "
735	♂	Somateria spectabilis	" " "	" 24. "
736	♂	Charadrius d. dominicus	" " "	" 25. "
737	♂	Gavia adamsi.	" " "	" " "
738	♂	Somateria v-nigra.	Cockburn Point. "	" " "
739	♂	" spectabilis	" " "	" " "
740	♀	" "	" " "	" " "
741	♂	Corvus corax principalis	Bernard Harbour. "	" 27. "
742	♂	Citellus parryi subsp.	" " "	May 20. "
743	♂	" " "	" " "	" " "
744	♀	" " "	" " "	" " "
745	♀	" " "	" " "	" " "
746	?	Sciurus hudsonius.	Dease River (?), N.W.T.	Spring, 1916
747	♂	Somateria spectabilis	Bernard Harbour. "	June 28. "

Coll. No.	Sex.	Species.	Locality.	Date.
748	♂	Stercorarius longicaudus	Bernard Harbour, D. & U. Str.	June 30, 1916.
749	?	Larus argentatus	" " "	" " "
750	♂	Otocoris alpestris hoyti	" " "	" " "
751	♀	" " "	" " "	" " "
752	?	Pisobia bairdi juv.	" " "	" " "
753	♀	Lepus arcticus canus	" " "	Apr. 25, "
754	♀	Rangifer arcticus juv.	" " "	middle of May. "
755	♀	Calcarius l. lapponicus juv.	" " "	July 3, "
756	♂	" " " juv.	" " "	" " "
757	♂	" " " "	" " "	" " "
758	?	Pisobia bairdi	" " "	" " "
759	♀	Dicrostonyx sp. ad.	" " "	July 4, "
760	♂	" " juv.	" " "	" " "
761	♂	" " "	" " "	" " "
762	♂	" " "	" " "	" " "
763	♂	" " "	" " "	" " "
764	♂	" " "	" " "	" " "
765	♂	" " "	" " "	" " "
766	?	Pisobia bairdi juv.	" " "	" " "
767	?	" " "	" " "	" " "
768	?	" " "	" " "	" " "
769	?	" " "	" " "	" " "

Coll. No.	Sex.	Species.	Locality	Date
770	♀	Dicrostonyx sp ad.	Bernard Harbour, D. a U. Str.	July 7, 19[cut off]
771	♂	" " juv.	" " "	" " "
772	♀	" " "	" " "	" " "
773	♀	" " "	" " "	" " "
774	?	Calcarius l. lapponicus	" " "	" 8. "
775	?	" " "	" " "	" " "
776	?	" " "	" " "	" " "
777	♂	Lepus arcticus canus.	Near Cape Krusenstern "	" 3. "
778	♀	Somateria v-nigra.	Bernard Harbour. "	" 8. "
779	♂	Harelda hyemalis.	" " "	" 9. "
780	♂	Somateria v-nigra.	" " "	" " "
781	♂	Harelda hyemalis	" " "	" 11. "
782	♂	Gavia stellata.	" " "	" " "
783	♀	" "	" " "	" " "
784	♀	Phoca hispida	" " "	" 13. "
785	♀	Stercorarius parasiticus	Cockburn Point isl. "	" 15. "
786	♀	Sterna paradisaea.	" " " "	" "
787	♂	Phoca hispida	Young Point, Amundsen Gulf.	" 19.
788	?	Ondatra ~~Fiber~~ zibethica (albino) spatulata.	W. br. Mackenzie delta.	Spring.
789	♂	Dicrostonyx sp.	Herschell Isl. Yukon T.	July 28. "
790	♂	Vulpes l. innuitus (blue phase)	Cape Bathurst, N.W.T.	Dec. 191[cut off]
791	♀	" " "	" " "	" "

Coll. No.	Sex.	Species.	Locality.	Date.
792	?	Surnia ulula caparoch.	Endicott Mts. Alaska	Dec. 21. 1915
793	?	" " "	" " "	" " "
794	♀	Planesticus m. migratorius.	Turner River. "	June 1. "
795	♂	" " "	" " "	" " "
796	♀	Perisoreus canadensis fumifrons	Endicott Mts. "	Sept. 12. "
797	?	" " "	" " "	" 13. "
798	?	" " "	" " "	Aug 27. "
799	?	" " "	" " "	" 23. "
800	♀	Lanius borealis	Salmon River. Alaska.	June 24. "
801	♀	Gavia adamsi	" " "	" 30. "
802	♀	Sterna paradisaea.	Cape Bathurst, N.W.T.	July 26. 1916
803	♂	Calidris leucophaea.	" " "	" " "
804	♀	" "	" " "	" " "
805	♀	" "	" " "	" " "
806	♀	Cepphus mandti	Point Barrow Alaska.	Feb. 17. "
807	♀	Aegialitis semipalmata	Young Pt., Amundsen Gulf, N.W.T.	July 18. "
808	♀	Oceanodroma leucorhoa.	near Unimak Pass, Alaska.	Aug. 31. "
809	?	Citellus parryi subsp. (albino)	Near Cape Barrow, Coron. Gulf.	June 1916
810	♀	Dicrostonyx sp.	Cape Kellett, Banks Island.	Sept. 5. 1914.
811	♀	" "	" " " "	" " "
812	?	" "	" " " "	" 8. "
813	♂	" "	" " " "	July 6. 1915

Coll. No.	Sex.	Species.	Locality.	Date
814	?	Dicrostonyx sp.	Cape Kellett. Banks Island.	Fall, 1914.
815	♂	Lemmus "	" " " "	July 6. 1915
816	?	Stercorarius pomarinus ad.	" " " "	Sept. 3. 1914
817	?	" " "	" " " "	" " "
818	?	" "	" " " "	" 4. "
819	?	" " juv.	" " " "	" 3. "
820	?	" " "	" " " "	" " "
821	♀	Stercorarius parasiticus	" " " "	July 6, 191
822	♂	Stercorarius longicaudus.	" " " "	June 18. "
823	?	" "	" " " "	" 30. "
824	♂	Larus argentatus ad.	" " " "	June 7. "
825	♀	" " "	" " " "	" 9. "
826	♀	" " "	" " " "	" 16. "
827	?	" sp. juv.	" " " "	Sept. 17. 1914
828	?	" " "	" " " "	" 6. "
829	♂	Harelda hyemalis ad.	" " " "	June 22. 1915
830	♂	" " "	" " " "	July 2. "
831	♂	" " "	" " " "	" " "
832	♂	" " "	" " " "	" " "
833	♂	Somateria v-nigra	" " " "	June 25. "
834	♂	" "	" " " "	June 29. "
835	♀	" "	" " " "	June 7. "

Coll. No.	Sex.	Species.	Locality.	Date.
836	♂	Somateria spectabilis	Cape Kellett, Banks Island.	June 22, 1915.
837	♂	" "	" " " "	" 23. "
838	♂	" "	" " " "	" 30. "
839	♂	" "	" " " "	July 4. "
840	♂	" "	" " " "	" 5. "
841	♂	" "	" " " "	" 6. "
842	♂	" "	" " " "	" 7. "
843	♂	" "	" " " "	" 14. "
844	♀	" "	" " " "	Aug. 30. 1914
845	♀	" "	" " " "	" " "
846	♀	" "	" " " "	June 20, 1915.
847	♀	" "	" " " "	" 22. "
848	♀	" "	" " " "	July 19. "
849	♀	" "	" " " "	" 1. "
850	♂	Chen hyperboreus hyperboreus	" " " "	June 18. "
851	♀	" " "	" " " "	" 19. "
852	♂	" " "	" " " "	July " "
853	♂	" " "	" " " "	July 20. "
854	♂:	Branta nigricans.	" " " "	Aug 31, 1914
855	♀:	" "	" " " "	" " "
856	♀:	" "	" " " "	" " "
857	♂	" "	" " " "	June 9. 1915

Coll. No.	Sex.	Species.	Locality	Date.
858	♂	Grus canadensis	Cape Kellett, Banks Island	June 17. 191
859	?	Calidris leucophaea.	Cape Lambton, " "	Aug. 24. 191
860	?	" "	" " " "	" " "
861	♀	Pisobia fuscicollis.	Cape Kellett. " "	June 20. 19
862	♂	Squatarola squatarola.	" " " "	" 18. "
863	♂	" "	" " " "	" 19. "
864	♂	" "	" " " "	July 4. "
865	?	" " Juv.?	" " " "	Sept. 4. 191
866	?	" " "	" " " "	" 6. "
867	?	" " "	" " " "	" 4-6. "
868	?	Lagopus l. lagopus	" " " "	" 12. "
869	♂	" " "	" " " "	" 25. "
870	♂	" " "	" " " "	Oct. 7. "
871	♀	" " "	" " " "	" 9. "
872	♂	" " "	" " " "	June 23. 1
873	♂	Lagopus r. rupestris	" " " "	Sept. 5. 191
874	♀	" " "	" " " "	" " "
875	♂	" " "	" " " "	" 12. "
876	♂	" " "	" " " "	" 25. "
877	♀	Nyctea nyctea ad.	" " " "	" 26. "
878	♂	" " "	" " " "	Oct. 5. "
879	♀	" " "	" " " "	" 13. "

Coll. No.	Sex.	Species	Locality.	Date
880	?	Nyctea nyctea ad	Cape Kellett, Banks Isl.	Nov. 20. 1914
881	♂	" " "	" " " "	Dec. 8. "
882	?	" " juv.	" " " "	Sept. 5. "
883	♀	" " "	" " " "	" " "
884	♂	" " "	" " " "	" 8. "
885	♀	" " "	" " " "	" " "
886	♀?	Corvus corax principalis.	" " " "	" 17. "
887	?	Calcarius l. lapponicus	" " " "	" " "
888	?	" " "	" " " "	" 5. "
889	?	Seiurus noveboracensis [notabilis.	" " " "	" 11. "
890	♂	Rangifer arcticus	" " " "	Oct. 9. "
891	♂	" "	" " " "	" 11. "
892	♂	" "	" " " "	" 14. "
893	♀	" "	" " " "	" " "
894	♀	" "	" " " "	Nov. 1. "
895	♀	" "	" " " "	" " "
896	♀	" "	" " " "	" " "
897	?	~~Thalassarctus~~ Thalarctos maritimus	" " " "	1914-1915.
898	?	" "	" " " "	1914-1915.
899	♂	Canis tundrarum.	" " " "	Sept. 9. 1914.
900	♂	" "	" " " "	Dec. 14. "
901	♀	" "	" " " "	" 15. "

Coll. No.	Sex	Species	Locality	Date
902	♂	Canis tundrarum	Cape Kellett, Banks Island.	Feb. 27. 191
903	?	Lepus arcticus canus	" " " "	Dec. 4. 191
904	♀	Vulpes lagopus juv.	" " " "	Aug. 27. "
905	♀	" " "	" " " "	" " "
906	♀	" " "	" " " "	" 28. "
907	♂	" " ad.	" " " "	Sept. 9. "
908	♀	" " "	" " " "	Oct. 1. "
909	♀	" " juv.	" " " "	" " "
910	♀	" " ad.	" " " "	" 4. "
911	♀	" " "	" " " "	" 5. "
912	♂	" " "	" " " "	" 6. "
913	♂	" " "	" " " "	" 2. "
914	♀	" " "	" " " "	" 7. "
915	♂	" " "	" " " "	" 11. "
916	♂	" " "	" " " "	" " "
917	♀	" " "	" " " "	" " "
918	♀	" " "	" " " "	" " "
919	♂	" " "	" " " "	" " "
920	♂	" " "	" " " "	" 12. "
921	♂	" " "	" " " "	" 13. "
922	♂	" " "	" " " "	" " "
923	♀	" " "	" " " "	" 15. "

Coll. No.	Sex.	Species. ~~Locality.~~			Locality				Date.		
924	♀	Vulpes	lagopus	ad.	Cape Kellett,		Banks Isl.		Oct.	15,	1914
925	♀	"	"	"	"	"	"	"	"	"	"
926	♂	"	"	"	"	"	"	"	"	16,	"
927	♂	"	"	"	"	"	"	"	"	"	"
928	♂	"	"	"	"	"	"	"	"	"	"
929	♂	"	"	"	"	"	"	"	"	"	"
930	♂	"	"	"	"	"	"	"	"	"	"
931	♀	"	"	"	"	"	"	"	"	"	"
932	♂	"	"	"	"	"	"	"	"	"	"
933	♂	"	"	"	"	"	"	"	"	"	"
934	♀	"	"	juv.	"	"	"	"	"	18.	"
935	♂	"	"	"	"	"	"	"	"	"	"
936	♀	"	"	ad.	"	"	"	"	"	"	"
937	♀	"	"	"	"	"	"	"	"	"	"
938	♀	"	"	"	"	"	"	"	"	"	"
939	♂	"	"	"	"	"	"	"	"	"	"
940	♂	"	"	"	"	"	"	"	"	"	"
941	♀	"	"	—	"	"	"	"	"	22.	"
942	♂	"	"	ad.	"	"	"	"	"	"	"
943	♀	"	"	"	"	"	"	"	"	25.	"
944	♂	"	"	"	"	"	"	"	"	26.	"
945	♂	"	"	"	"	"	"	"	"	27.	"

Coll. No.	Sex.	Species	Locality	Date.
946	♂	Vulpes lagopus juv.	Cape Kellett. Banks Isl.	Oct. 29. 1914
947	♂	" " ad.	" " " "	" 30. "
948	♂	" " "	" " " "	" " "
949	♀	" " "	" " " "	" " "
950	♂	" " "	" " " "	Nov. 1. 1914.
951	♀	" " "	" " " "	" " "
952	♀	" " "	" " " "	" " "
953	♂	" " "	" " " "	" 4. "
954	♂	" " "	" " " "	Nov. 11. "
955	♀	" "	" " " "	" " "
956	♂	" "	" " " "	" 12. "
957	♀	" " ad.	" " " "	" 14. "
958	♀	" "	" " " "	" " "
959	♀	" "	" " " "	" 1. "
960	♀	" "	" " " "	" 17. "
961	♂	" "	" " " "	" 19. "
962	♂	" "	" " " "	Dec. 8. "
963	♂	" "	" " " "	" 11. "
964	♂	" "	" " " "	" " "
965	♀	" "	" " " "	" 17. "
966	♂	" "	" " " "	Jan. 8. 1915.
967	♂	" "	" " " "	" " "

Coll. No.	Sex.	Species	Locality	Date.
968	♂	Vulpes lagopus.	Cape Kellett, Banks Island.	Feb. 24. 1915.
969	♂	" "	" " " "	March 15, 1915.
970	♀?	" "	" " " "	" 29. "
971	♀?	" "	" " " "	April 10. "
972	♀?	" "	" " " "	Winter. 1914-1915
973	♀?	" "	" " " "	Fall. 1914.
974	♀?	" "	" " " "	" "
975	♂	Charadrius d. dominicus	Camden Bay, Alaska. [D.J]	July 14. 1914.
976	♀	" " "	" " "	" " "
977	♀	Squatarola squatarola	Barter Island "	June 22. "
978	♂?	Gavia adamsi	Mouth of Hula-hula River "	July 13. "
979	♂	Falco peregrinus anatum	Barter Island. "	June 16. "
980	♂	Xema sabinii	" " "	" 30. "
981	♂	" "	" " "	" " "
982	♀	Sterna paradisaea.	" " "	" 20. "
983	♀	Stercorarius parasiticus.	" " "	" 5. "
984	?	Gavia stellata.	" " "	Spring. "
985	?	Pisobia maculata.	" " "	June 5. "
986	?	Calidris leucophaea.	" " "	" 6. "
987	♀	Pisobia bairdi.	" " "	" 16. "
988	♀	" "	" " "	" 12. "
989	♀	Ereunetes pusillus.	" " "	" 17. "

Coll. No.	Sex.	Species	Locality	Date
990	?	Phalaropus fulicarius	Barter Island, [D. J.] Alaska.	June 12. 1914
991	?	Ægialitis semipalmata.	" " "	" 11. "
992	?	" "	" " "	" 3. "
993	♀	Somateria v-nigra	" " "	" 9. "
994	♂	Arctonetta fischeri	" " "	" 29. "
995	♀	" "	" " "	June 29 1914
996	♂	Polysticta stelleri	" " "	June, 1914
997	♂	" "	" " "	" "
998	♂	" "	" " "	" "
999	♂	Histrionicus histrionicus	" " "	June 26. "
1000	♂	" "	" " "	" "
1001	♀	Dafila acuta.	" " "	" 26. "
1002	♀	Gavia pacifica.	" " "	July 2. "
1003	?	" "	" " "	June 18. "
1004	♂	" "	" " "	July 5. "
1005	?	" "	" " "	" " "
1006	♀	Putorius sp.	" " "	" 8. "
1007	♂	" "	" " "	" 9. "
1008	?	Pisobia maculata	Bernard Harbour, N.W.T	Summer. 19
1009	♂	Vulpes lagopus ad.	" " "	Nov. 26. 1914
1010	♂	" " "	" " "	Dec. 5. "
1011	♀	" " "	" " "	Nov. 30. "

Coll. No.	Sex.	Species.	Locality.	Date.
1012	♀	Vulpes lagopus. ad.	Bernard Harbour. N.W.T.	Nov. 30, 1914
1013	♀	" " "	" " "	Dec. 6. "
1014	♀	" " "	" " "	" 10. "
1015	♂	" " "	" " "	" " "
1016	♂	" " "	" " "	" " "
1017	♀	" " "	" " "	" 29. "
1018	♂	" " "	" " "	Dec. "
1019	♂	" " "	" " "	" "
1020	♂	" " skull only.	" " "	Nov. 25. "
1021	♂	" " "	" " "	" 26. "
1022	?	" " "	" " "	" 23. "
1023	?	" " "	" " "	" 24. "
1024	♂	" " "	" " "	" 28. "
1025	♀	" " "	" " "	Dec. 13. "
1026	♀	" " "	" " "	" 2. "
1027	♂	" " "	" " "	" 5. "
1028	♀	" " "	" " "	" 5 "
1029	♂	" " "	" " "	" 12 "
1030	♀	" " "	" " "	" 3. "
1031	♂	" " "	" " "	" 11. "
1032	♀	" " "	" " "	" 1. "
1033	?	Citellus parryi	" " "	Nov. 1915.

Coll. No.	Sex.	Species.	Locality	Date.
1034	?	Calcarius l. lapponicus (alc)	Bernard Harbor. N.W.T.	July 4. 1916
1035	?	Somateria v-nigra. "	" " "	" 9. "
1036	?	" " "	" " "	" " "
1037	?	Pisobia bairdi "	" " "	" 14. "
1038	?	" " "	" " "	" " "
1039	?	" " "	" " "	" " "
1040	?	" " "	" " "	" " "
1041	♂	Somateria v-nigra.	" " "	June-July. "
1042	♀	Thalarctos maritimus ad.	Cape Bathurst, N.W.T.	Oct. 26, 1914.
1043	♂	" " juv.	" " "	" 26. "
1044	♀	" " "	" " "	" " "
1045	♂	" " ad.	" " "	Nov. 11. "
1046	♂	" " "	" " "	" 12. "
1047	♀	" " "	" " "	" " "
1048	♀?	" " ad.	" " "	" " "
1049	♂	Alopex lagopus (G.H.W.)	Cape Kellett. Banks Isl.	Dec. 30, 1914
1050				
1051				
1052				
1053				
1054				
1055				